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DVD Navigation Map

NVD-A801

SMART MAP PRO

Prog. Ver. 1.00

OWNER'S MANUAL

Please read before using this disc.

MODE D'EMPLOI

Veuillez lire avant d'utiliser ce disque.

MANUAL DE OPERACIÓN

Lea este manual antes de utilizar este disco.

USER AGREEMENT

Important information. Please read carefully before using this product.

In using this DVD-ROM "SMART MAP PRO" (hereinafter referred to as "Disk"), as part of the Alpine Electronics, Inc. ("ALPINE") and NAVTEQ Corporation ("NAVTEQ") Database (hereinafter referred to as "Database"), you are bound by the terms and conditions set forth below. By breaking the seal on this package, and using your copy of the Database and Disk, you have demonstrated your agreement to the terms and conditions of this Agreement. You should therefore, make sure that you read and understand the following provisions.

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- The Disk and/or Database may not be decompiled, reverse engineered or otherwise disassembled, in whole or in part.
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- Neither ALPINE nor NAVTEQ guarantees to the customer that the functions included in the Disk and Database meet a specific objective of user.
- Neither ALPINE nor NAVTEQ shall be responsible for any damages caused by the use of the Disk and/or Database to the actual user and to any third party.
- The Warranty on the Disk and Database shall not extend to an exchange or refund due to misspelling, omission of letters, or any other cosmetic discrepancy in layout found in Disk and/or Database.
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End User shall indemnify and save harmless the licensors, including Her Majesty The Queen and the minister, and their officers, employees and agents from and against any claim, demand or action, irrespective of the nature of the cause of the claim, demand or action, alleging loss, costs, expenses, damages or injuries (including injuries resulting in death) arising out of the use or possession of the data or the NAVTEQ database.

PRECAUTIONS

IMPORTANT INFORMATION, PLEASE READ CAREFULLY BEFORE USING THIS PRODUCT.

This product is intended to safely provide turn by turn instruction to get you to a desired destination. Please read the following precautions to ensure that you use this navigation system correctly.

- This product is not a substitute for your personal judgment. Any route suggestions made by this navigation system should never supersede any local traffic regulations or your personal judgment and/or knowledge of safe driving practices. Do not follow route suggestions if the navigation system instructs you to perform an unsafe or illegal maneuver, places you in an unsafe situation, or routes you into an area which you consider unsafe.
- Glance at the screen only when necessary and safe to do so. If prolonged viewing of the screen is necessary, stop in a safe and legal manner and location.
- Do not input destinations, change settings, or access any functions requiring a prolonged view of the monitor and/or remote control while you are driving. Stop in a safe and legal manner and location before attempting to access the system.
- When using the navigation system to find/route to an emergency service, please contact the facility to validate and verify availability, prior to driving to it. Not all locations of emergency service providers such as police and fire stations, hospitals, and clinics are contained in the database. Please use your own judgment and your ability to ask for directions in these situations.
- The map database contained within the media (DVD ROM) in which it is stored is the most recent map data available at the time of production. Because of changes in streets and neighborhoods, there may be situations where the navigation system may not be able to route you to your desired destination. In these cases, use your own personal judgment.
- The map database is designed to provide you with route suggestions, it does not take account of the relative safety of a suggested route, or of factors which may affect the time required to reach your destination. The system does not reflect road closures or construction, road characteristics (i.e. type of road surface, slope or grade, weight or height restrictions, etc.), traffic congestion, weather conditions, or any other factors which may affect the safety or timing of your driving experience. Use your personal judgment if the navigation system is unable to provide you with an alternate route.
- There may be situations where the navigation system may display the vehicle's location erroneously. Use your own driving judgment in this situation, taking into account current driving conditions. Please be aware that in this situation, the navigation system should correct the vehicle's position automatically; however, there may be times where you may have to correct the position yourself. If this is the case, stop in a safe and legal manner and location before attempting operation.
- Make certain that the volume level of the monitor is set to a level which still allows you to hear outside traffic and emergency vehicles. Driving while unable to hear outside sounds could cause an accident.
- Please make certain that any other person who intends on using this navigation system reads these precautions and the following instructions carefully.

If there is anything in the manual about the operation of the navigation system which you are uncertain about, please contact your local Alpine authorized navigation dealer or Alpine at 1-888-NAV-HELP (1-888-628-4357) before using the navigation system.

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Points to Observe for Safe Usage

- Read this manual carefully before using this DVD-ROM. It contains instructions on how to use this product in a safe and effective manner. Alpine cannot be responsible for problems resulting from failure to observe the instructions in this manual.
- This manual uses various pictorial displays to show you how to use this product safely and to alert you to potential dangers resulting from improper connections and operation. Following are the meanings of these pictorial displays. It is important to fully understand the meanings of these pictorial displays in order to use this manual and the system properly.

⚠ WARNING

- **Operation of the system while driving is dangerous. Users should stop vehicle before operating the software.**
- **Road conditions and regulations take precedence over information contained on the map display: observe actual traffic restrictions and circumstances while driving.**
- **This software is designed for use exclusively in the NVE-N872A series. It cannot and may not be used in conjunction with other hardware.**

⚠ WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS.

Doing so may result in personal injury or damage to the product.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT FOLLOW ROUTE SUGGESTIONS IF THE NAVIGATION SYSTEM INSTRUCTS YOU TO PERFORM AN UNSAFE OR ILLEGAL MANEUVER, OR PLACES YOU IN AN UNSAFE SITUATION OR AREA.

This product is not a substitute for your personal judgment. Any route suggestions by this system should never supersede any local traffic regulations or your personal judgment or knowledge of safe driving practice.

⚠ CAUTION

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Center for repairing.

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Preface

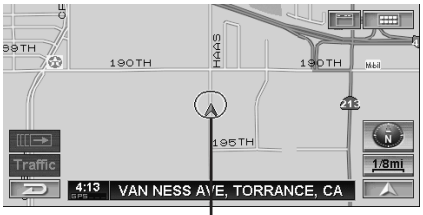
Navigation Terminology

Navigation

The navigation system displays and tracks the vehicle's position and movement on a moving map display. When a destination is input, the navigation system quickly calculates a route and guides you along the route with pictorial displays and voice prompts.

Present Vehicle Position Indicator

The present vehicle position is indicated by an arrowhead within a circle



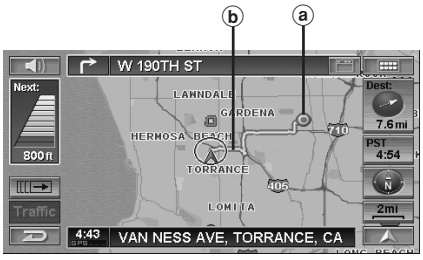
Present vehicle position

Map matching

Since GPS navigation has an error window of about 100 – 650 feet (30 m – 200 m), the position of your vehicle may be calculated in such a way that it is displayed incorrectly off the road. Map matching automatically corrects this error so that the position is displayed on the road.

Destination

The destination point is represented by a bullseye icon.



ⓐ **Destination icon**

ⓑ **Route (Blue)**

Address Book

Up to 300 personal locations and phone numbers can be stored in the system's memory.

Popular Points of Interest

Fourteen different POI icons can be displayed on the map. These icons indicate the locations and names of the nearest gas/fuel stations, restaurants, parking garages, parking lots, ATMs, banks, convenience stores, grocery stores, freeway exits with IA data, hotels & motels, bed & breakfast, post offices, hospitals and schools. All 14 icons can be displayed on the screen at one time.

- The brand icons (eight gasoline companies) of the gas stations appear on the map. For details, see page 62 of this Manual.

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Features

Automatic Route Calculation

The navigation system displays and tracks your vehicle's position and movement via a moving map display. When you input a destination, the navigation system quickly calculates a route and guides you with pictorial displays and voice prompts. When determining the route, the system can be programmed to minimize the use of toll roads and freeways.
This system combines GPS signals received with map information stored on DVD-ROM to display the position and direction of the vehicle. This navigation system also includes an electronic gyro-sensor and a speed sensor that enable it to display the present vehicle position even in locations where GPS signals may be blocked.

Next Turn Guide

When an upcoming turn is approaching, the system will give maneuver instructions via arrow guides and simple voice prompts.

Real Time Voice Guide

Using voice prompts, the system will notify you of upcoming turns and highways to enter. Pressing the VOICE button on the remote control or touching [ ] on the map display allows you to access this voice guidance feature at any time with a single press.

Street Name Input

Allows you to input your destination's street name (via Address or Intersection search) if you don't know your destination's city name.

Direct Input of Name of Place of Interest

Input only the name of a place of interest (without inputting the city name) to search for the route to the place of interest.

Direct Inputting of Phone Number

You can search for a destination place of interest by inputting the telephone number (if known).

Map Zooming

You can change the map display in nine magnification scales to get more detail or more general views (1/32, 1/16, 1/8, 1/4, 1/2, 1, 2, 5, 15, 50, 150, 350 mile zoom scales). A special 350 mile zoom scale is available when you view a very long route.

Three Languages Selectable for the Voice Guidance

Three Languages Selectable for the Voice Guidance.
You can choose one of the three languages (English, French, Spanish) for the voice route guidance.

Intersection Zoom (Auto Zoom Map)

As you near intersections and cross points, the map display automatically zooms in to show a more detailed view that you will need. This means there is no need to press the zoom buttons.

Built-in Gyroscope and Speed Sensors

The gyroscope for sensing direction and the speed pulse sensor for detecting distance provide data which allows the vehicle position and direction to be displayed even in locations where the GPS signals cannot be received such as between high buildings or in tunnels.

Three Types of Operation

The operation for the navigation system can be performed with both the supplied remote control (RUE-4140), touch button* or voice control.

* Touch button operation can be performed only when you connect to Alpine Touch panel-compatible monitor IVA-D310 or TME-M770S, etc. For details, refer to "Manual Overview" on page 10. See also the Owner's Manual of the touch panel-compatible monitor.

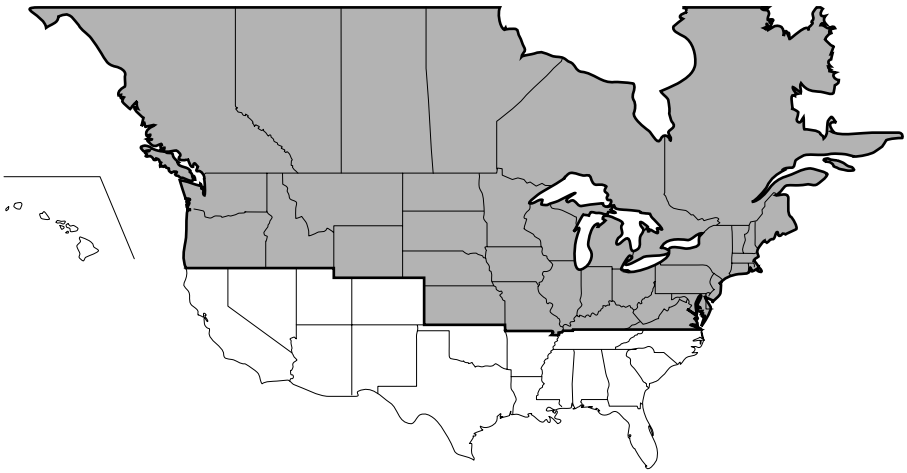
Traffic Information (Optional)

If you connect the XM Data Receiver HCE-100XM (sold separately) or SIRIUS Data Receiver (sold separately), and sign up for Traffic & Weather, you can receive traffic information in real time. Traffic incidents and congestion can be displayed on the map and also be listed by distance from the vehicle. For more information, visit XM's website at www.xmradio.com., or SIRIUS' website at www.sirius.com.

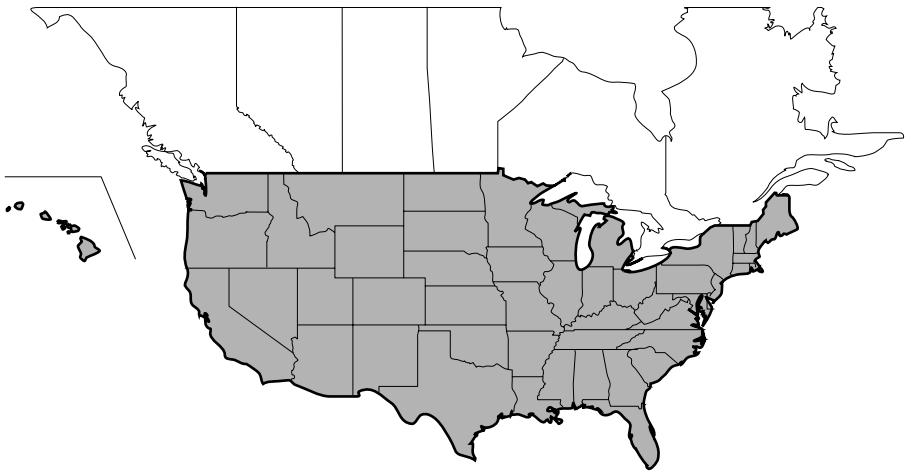
How to Use the Disc

There are two discs available for NVD-A801: the NORTH version, and the SOUTH version. Phone number/POI (Point of Interest) information, etc., contained in the South area disc cannot be searched by the North disc, and vice versa. Places in the South area, for example, can only be found on the South disc.
The North and South version discs cover the areas as shown in gray below. There are some overlap areas which are stored in both discs.

North disc stored area



South disc stored area



Manual Overview

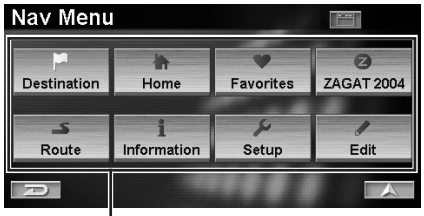
If the navigation system is connected to Alpine touch panel-compatible monitor IVA-D310, IVA-D300 or TME-M770S, etc., touch operation can be performed by directly touching the monitor.
If the monitor (other than Alpine touch panel-compatible monitor IVA-D310, IVA-D300 or TME-M770S, etc.) is connected, operation can be performed with the supplied remote control.

Both touch button and remote control operations are described in this manual. First, touch button operations, and then remote control operations in italics are described.

Example:

Touch [Destination].
*Select (highlight) "**Destination**" by tilting the joystick and press **ENTER**.*

■ Touch Button Operation



Touch Button

- Be sure to touch the button lightly with the pad of your finger on the display to protect the display.
- If you touch a button and there is no reaction, remove your finger from the display once, and try again.
- Touch buttons that cannot be operated appear dull in color.

■ Remote Control Operation

Some of the remote control buttons have the same function as touch buttons on the display. You can see the desired map screen by pressing the corresponding button on the remote control. For menu screen operations, select a desired item by tilting the joystick and pressing the ENTER button.
For details, refer to the "Buttons and Functions of Remote Control (RUE-4140)", on page 70.

Getting Started

Turning the System On

With this system, when the display monitor is set in the navigation display mode or external input display mode and the ignition key is turned to the ACC or ON positions, the opening screen will automatically be displayed.

1 When the system is used for the first time, both the language selection menu and IMPORTANT! are displayed on the same screen, touch the desired language.

*Select (highlight) the desired language by tilting the joystick and press **ENTER**.*

IMPORTANT!
This product is designed to assist you while you drive your vehicle. It should not be used as a substitute for your personal judgment.
Always observe existing traffic regulations. For safety, program the system when vehicle is stopped.
See your Owner's Manual for complete instructions.
I Accept
English
Francais
Espanol

After the language has been selected, important information is displayed in each language.
Be sure to read the important information.

2 After you have read this important information, touch [I Accept].

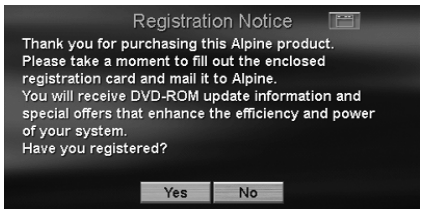
*Select (highlight) "**I Accept**" by tilting the joystick and press **ENTER**.*

IMPORTANT!
This product is designed to assist you while you drive your vehicle. It should not be used as a substitute for your personal judgment.
Always observe existing traffic regulations. For safety, program the system when vehicle is stopped.
See your Owner's Manual for complete instructions.
I Accept
English
Francais
Espanol

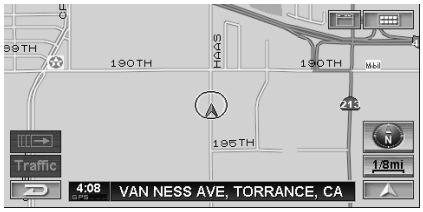
The Registration Notice screen is displayed.

3 After you have read this registration notice, touch [Yes].

*Select (highlight) "**Yes**" by tilting the joystick and press **ENTER**.*


Registration Notice
Thank you for purchasing this Alpine product.
Please take a moment to fill out the enclosed registration card and mail it to Alpine.
You will receive DVD-ROM update information and special offers that enhance the efficiency and power of your system.
Have you registered?
Yes
No

The map screen is displayed.



- If there is no disc in the navigation system, "Please insert DVD-ROM" is displayed. For details on how to load the disc, see "Inserting the DVD-ROM" and "Removing the DVD-ROM" in the navigation system's Hardware Manual.
- If the disc cannot be read, the message "Error reading DVD-ROM. Please check the disc." is displayed. Try reloading the disk and if message does not go away, consult an authorized Alpine dealer.
- If the monitor is kept on with the engine off for an extended period of time, the vehicle's battery may discharge.

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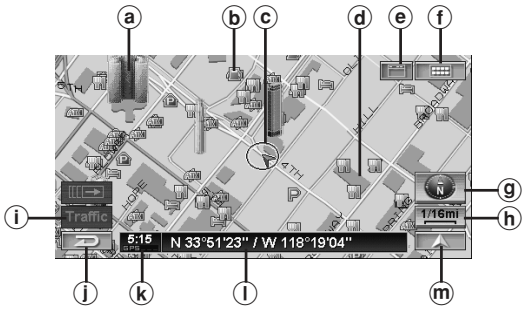
How to View a Current Display

The navigation map screen usually displays the current vehicle position and surrounding area.

■ Current Vehicle Position Map (without route)



ⓐ Landmark Icons
The 3D landmark icons can be displayed on the map when map scale is 1/16 mile (100 m) or less, see "Landmark Icons" (page 63).

ⓑ POI Icons
The POI icons can be displayed on the map when map scale is 1/8 mile (200 m) or less, see "POI Icons" (page 62).

ⓒ Current vehicle position icon

ⓓ Building Outlines
The building outlines can be displayed on the map when map scale is 1/16 mile (100 m) or less, see "Building Outlines" (page 63).

ⓔ Main Source Screen button ( )
Displays the main source screen of the Alpine touch panel-compatible monitor. For details, refer to the Owner's Manual of the Alpine touch panel-compatible monitor.
If a monitor other than Alpine touch panel-compatible monitor is connected, this button cannot be used.

ⓕ MENU button ( )
Displays the Nav Menu.

ⓖ Compass Icon
Indicates North and heading mode on the current map.

: North up

: Heading up

(The arrowhead shows the direction of north. To change the map orientation, see page 14.)

ⓗ Scale Icon (1/4mi)
Map scale is shown. (see page 13)

ⓘ Traffic button*
Traffic Incident List screen is displayed.

* If the XM Data Receiver HCE-100XM (sold separately) or the SIRIUS Data Receiver (sold separately) is connected, the traffic button can be used.

ⓙ Cancel button ( )
Cancels the current screen and returns to the previous menu screen.

ⓚ GPS signal state and clock
Current time received from GPS signals; GPS signal strength (indicated by a dot).

GPS: No satellite information is being received.
GPS ■: Current position is being calculated.
GPS ■■: GPS signal 2-D is being received.
GPS ■■■: GPS signal 3-D is being received.

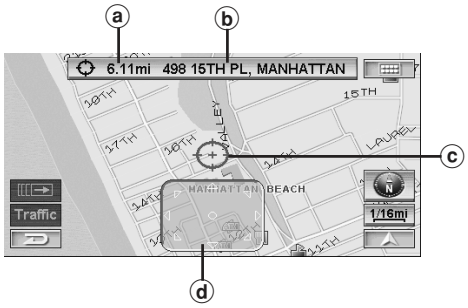
ⓛ Street name
Name of the current street.

ⓜ Current Map button (▲)
Returns to the current position screen.

- When powering on the unit for the first time, it takes the GPS receiver approximately 10 minutes to calculate the vehicle's current position. During this period, the vehicle position icon may not move even if the vehicle is being driven.
- For displays during route guidance, see page 38.

Point Display

The point display appears on the screen after you have scrolled the map. "Entering a Destination by Scrolling Displayed Map", see page 30.



ⓐ Distance from the current vehicle position.
Distance in a straight line from the current vehicle position.

ⓑ Street name on the crosshair icon
If the street name of the crosshair icon cannot be displayed, the longitude/latitude appears in the display.

ⓒ Crosshair icon
Align the crosshair icon over the place to be searched by scrolling the map.

ⓓ Scroll pad
The scroll pad is displayed when you scroll the map by touch operation. Touch [▲] on the scroll pad to scroll the map.
Touch [▲] on the scroll pad to select the location (see page 30).

The scroll pad is not displayed when using the remote control.

Selecting an Item in a List

To scroll through a list, perform operation as follows.

Touch Operation:

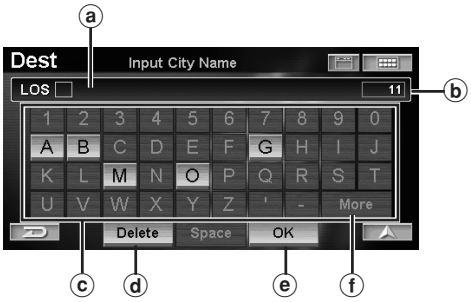
Touch [▲] or [▼] to scroll items one by one up or down.
Touch [⏫] or [⏬] to scroll every 5 items for a 5 item list, and 3 items for a 3 item list up or down.

Remote Control Operation:

Tilt the joystick to up or down to scroll items one by one or press ∧ or ∨ to scroll every 4 items.

Using the On-Screen Keyboard

When you are required to input a character on the screen using the keyboard, the display changes to the keyboard. Use the displayed characters to input information. How to select characters, see the following procedure.



ⓐ **Text window**
Displays the selected characters/numerals.

ⓑ **Number of candidates**

ⓒ **Character pallet**

ⓓ **Delete**
Returns to the previous character and erases it.

ⓔ **OK**
The selected character is set. The available characters, depending on the item, are shown in the list.

ⓕ **More**
Changes the character pallet to display additional characters.

Touch Operation:

Touch the desired character.

Remote Control Operation:

*Tilt the joystick to select the desired character and press **ENTER**.*

- When 1 character is input, the candidates for the next character are narrowed down (and the others disappear from the character pallet).
- The phone number, etc. can be input using the numeric keypad on the remote control. After pressing the MODE button, numbers may be input while the status indicator is blinking.

Changing the Map Scale

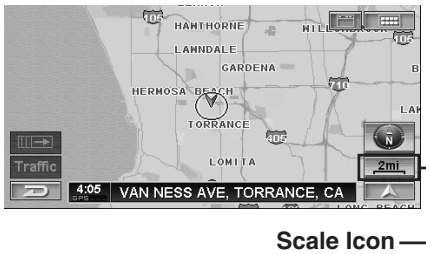
Change the map magnification ratio upwards or downwards (in 12 steps).

Map scale

US (mile)	Metric (km/m)
1/32 mile	50 m
1/16 mile	100 m
1/8 mile	200 m
1/4 mile	400 m
1/2 mile	1 km
1 mile	2 km
2 mile	4 km
5 mile	10 km
15 mile	30 km
50 mile	100 km
150 mile	250 km
350 mile	600 km

- You can change between miles or kilometers in setup, see page 68.

1 Touch [Scale Icon].



The scale bar is displayed.

Continued

EN

2 Change the map magnification ratio by touching [▲] (zoom in) or [▼] (zoom out) within 5 seconds.

This changes rapidly by touching and holding either button.

Press the ∧ (zoom in) or ∨ (zoom out) button while displaying the map screen.

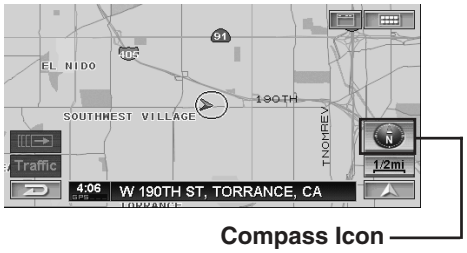
- The 3D landmark icons can be displayed on the map when map scale is 1/16 mile (100 m) or less.
- The building outlines can be displayed on the map when map scale is 1/16 mile (100 m) or less.
- The POI icons can be displayed when map scale is 1/8 mile (200 m) or less. For details, see page 62.
- The one-way road icons can be displayed on the map when map scale is 1/16 mile (100 m) or less.
- If the current map orientation is heading up, it automatically changes to north up when the map scale is 50 mile (100 km) or more.

Changing the Orientation of the Map

The map orientation can be set for either north up, or your current direction heading up. The icon in the lower right of the screen above the map scale icon indicates the current orientation.

1 Touch [Compass Icon].

*Press **H**/**N**.*

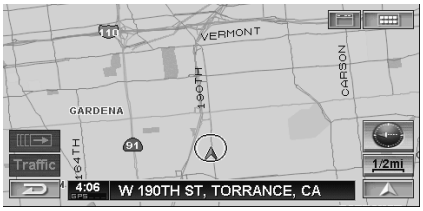


Each press changes the map orientation.

North up ↔ Heading up

North up

Heading up



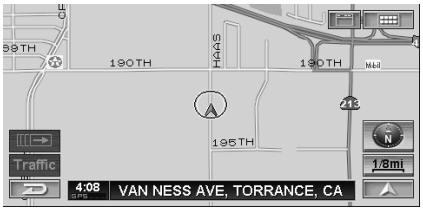
- If the current map orientation is heading up, it automatically changes to north up when the map scale is 50 mile (100 km) or more.

Entering a Destination

Displaying the Destination Menu Screen

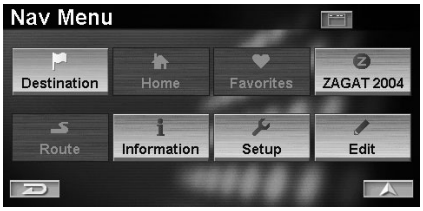
To use the navigation guidance system, you must first, search for a destination.

1 **Touch [⌨].**
*Press **MENU**.*



The Nav Menu screen is displayed.

2 **Touch [Destination].**
*Select (highlight) "**Destination**" by tilting the joystick and press **ENTER**.*



The Find Destination By screen is displayed.

You can search for a destination as follows.

Find Destination By

- Address (see page 15)
- Point of Interest (see page 17)
- Previous Destinations (see page 20)
- Address Book (see page 20)
- Intersection (see page 21)
- Phone Number (see page 23)
- Freeway Entrance (see page 24)
- Latitude / Longitude (see page 25)
- Today's Plan (see page 26)

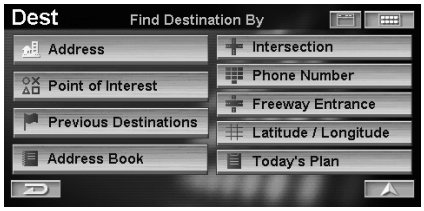
Others

- Home (see page 27)
- Favorites (see page 27)
- ZAGAT 2004 (see page 28)
- Map scrolling and Map input (see page 30)

Entering a Destination by Address

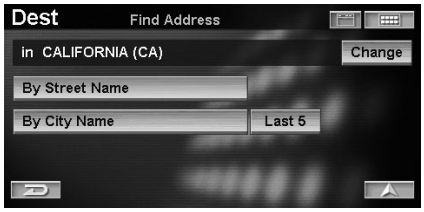
If you know the address of the destination, the system can calculate a route to that address.

1 **Touch [Address] on the Find Destination By screen.**
*Select (highlight) "**Address**" by tilting the joystick and press **ENTER**.*



The Find Address menu is displayed.

2 **The State or Province you are in is displayed at the top of the screen. If your desired destination is in another state, select "Change."**



The Select State Name screen is displayed.

3 **Touch desired State or Province.**
*Select (highlight) the desired State or Province by tilting the joystick and press **ENTER**.*

- Select USA or Canada.

Continued

EN

4 To find an address, touch one of the following items.

*To find an address, select one of the following items and press **ENTER**.*

ⓐ **By Street Name**
The **Input Street Name** screen appears. Go to step 7.

ⓑ **By City Name**
The **Input City Name** screen is displayed. Go to step 5.

ⓒ **Last 5**
The last five city names searched are stored in memory. You can reselect a city name from this list.

5 Input the city name.

- If the number of candidates narrows down to less than 5, the display automatically shows the **Select City Name** screen.
- For details on how to input, see page 13.

The Select City Name screen is displayed.

6 Touch the desired city name.

*Select (highlight) the desired city name by tilting the joystick and press **ENTER**.*

- For details on how to use the list, see page 13.

The Input Street Name screen is displayed.

7 Input the street name.

- If the number of candidates narrows down to less than 5, the display automatically shows the **Select Street Name** screen.

The Select Street Name screen is displayed.

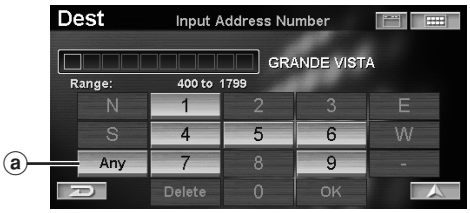
8 Touch the desired street name.

*Select (highlight) the desired street name by tilting the joystick and press **ENTER**.*

- For details on how to use the list, see page 13.

The Input Address Number screen is displayed.

9 Input the house or building number.



ⓐ **Any**
Select Any if an address number is not known, or if you want to search for the nearest street that matches your input.

- For details on how to input, see page 13.

The Confirm Destination screen appears.

10 Touch [OK to Proceed].

*Select (highlight) "**OK to Proceed**" by tilting the joystick and press **ENTER**.*

The system will begin calculating the route.

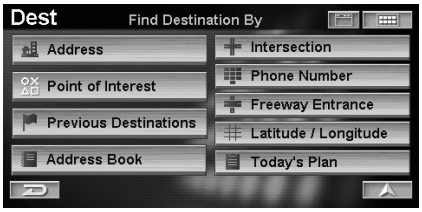
- For details of the **Confirm Destination**, see page 32.

Entering a Point of Interest by Place Name

If you know the desired point of interest name, it can easily be displayed by inputting that name using the on-screen keyboard.

1 Touch [Point of Interest] on the Find Destination By screen.

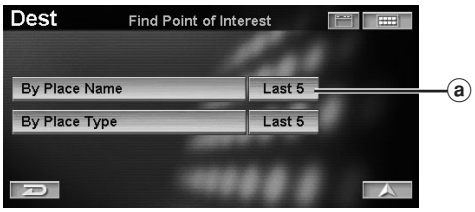
*Select (highlight) "**Point of Interest**" by tilting the joystick and press **ENTER**.*



The Find Point of Interest menu is displayed.

2 Touch [By Place Name].

*Select (highlight) "**By Place Name**" by tilting the joystick and press **ENTER**.*



ⓐ Last 5

The last five place names searched are stored in memory. You can reselect a place name from this list.

The Input Place Name screen is displayed.

3 Input a point of interest name.

- If the number of candidates narrows down to less than 5, the display automatically shows the **Select Place Name** screen.
- For details on how to input, see page 13.

The Select Place Name screen is displayed.

4 Touch the desired point of interest name.

*Select (highlight) the desired place name by tilting the joystick and press **ENTER**.*

ⓑ Information

Point of interest address, category, telephone number and direction and distance from the current position are displayed. If more than one point of interest name exists, an entry number is displayed.

ⓒ Place Name

If more than one point of interest name exists, an icon is displayed in front of its name. If the point of interest name with is selected, the **Select Place Type** or **Select Address** screen is displayed.

ⓓ POI Search Icon

: The system will display up to 10 asterisk icons on the map screen representing points of interest near the current vehicle position. An icon can be selected and set as a destination. You can easily find a point of interest, such as a fast food restaurant, by searching place names under the FAST FOOD category.

: Review and Ratings of ZAGAT SURVEY 2004 are displayed. See page 28.

- For details on how to use the list, see page 13.

The Confirm Destination screen appears.

Continued

EN

5 **Touch [OK to Proceed].**
*Select (highlight) "**OK to Proceed**" by tilting the joystick and press **ENTER**.*

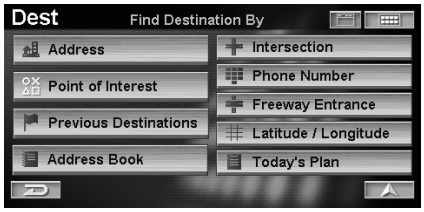
The system will begin calculating the route.

- For details of the **Confirm Destination**, see page 32.

Entering a Point of Interest by Place Type

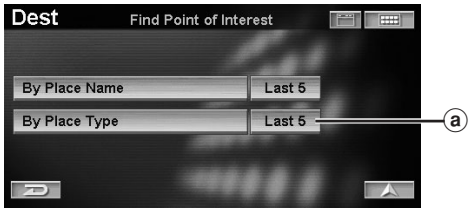
You can search for a destination place type (if known) by selecting a list of categories.

1 **Touch [Point of Interest] on the Find Destination By screen.**
*Select (highlight) "**Point of Interest**" by tilting the joystick and press **ENTER**.*



The Find Point of Interest menu is displayed.

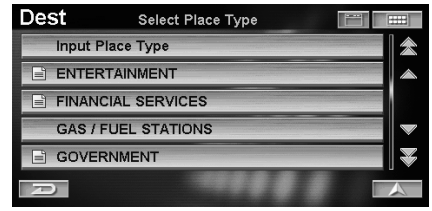
2 **Touch [By Place Type].**
*Select (highlight) "**By Place Type**" by tilting the joystick and press **ENTER**.*



ⓐ **Last 5**
The last five place types searched are stored in memory. You can reselect a place type from this list.

The Select Place Type screen is displayed.

3 **Touch the desired category of place type.**
*Select (highlight) the desired category of place type by tilting the joystick and press **ENTER**.*



- For details on how to use the list, see page 13.
- If you select "**Input Place Type**," input a keyword of place type and select it.
- If more than one point of interest type exists, an icon is displayed in front of point of interest type. If you select the place type with , go to step 4, or the place type without , go to step 5.

The sub-menu of Select Place Type screen is displayed.

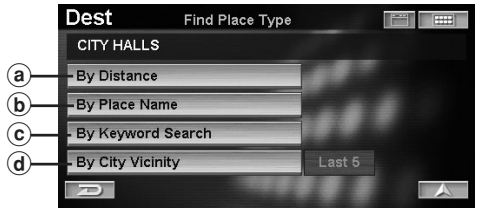
4 **Touch the desired place type.**
*Select (highlight) the desired place type by tilting the joystick and press **ENTER**.*

- For details on how to use the list, see page 13.

The Find Place Type menu appears.

5 To find a point of interest, touch one of the following items.

*To find a point of interest, select one of the following items and press **ENTER**.*



ⓐ By Distance

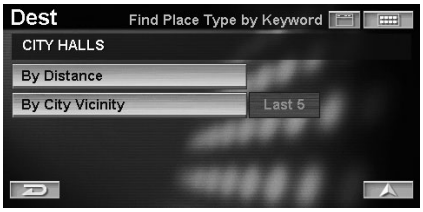
The point of interest name list is displayed in order of distance from the current position.

ⓑ By Place Name

The **Input Place Name** screen is displayed. Input the desired place name.

ⓒ By Keyword Search

If you do not know the exact name of the destination, you can find the place with a keyword.



By Distance:

Input a place name keyword.

By City Vicinity:

The system allows you to find points of interest in the vicinity of the city you entered.
Select a city by inputting its name, then input a place name keyword.

Last 5:

The last five city names searched are stored in memory. You can reselect a city name from this list.

ⓓ By City Vicinity

The **Input City Name** screen is displayed.
Select a city by inputting its name, and input a point of interest name.

The Select Place Name screen is displayed.

6 Touch the desired place name.

*Select (highlight) the desired place name by tilting the joystick and press **ENTER**.*

The Confirm Destination screen appears.

7 Touch [OK to Proceed].

*Select (highlight) "**OK to Proceed**" by tilting the joystick and press **ENTER**.*

The system will begin calculating the route.

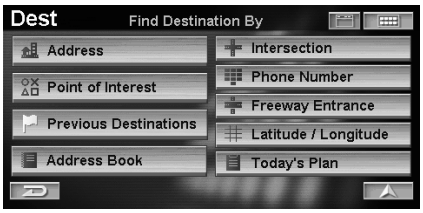
- For details of the **Confirm Destination**, see page 32.

EN

Entering a Destination by Previous Destinations

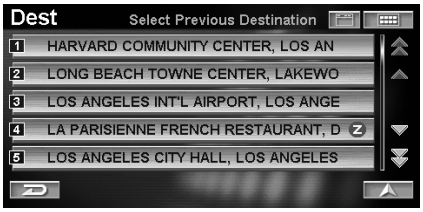
If your destination is one of the fifty most recent destinations, you can recall that destination using the procedure described in this section.

1 **Touch [Previous Destinations] on the Find Destination By screen.**
*Select (highlight) "**Previous Destinations**" by tilting the joystick and press **ENTER**.*



The Select Previous Destination screen is displayed.

2 **Touch the desired destination.**
*Select (highlight) the desired destination by tilting the joystick and press **ENTER**.*


Dest
Select Previous Destination
1 HARVARD COMMUNITY CENTER, LOS AN
2 LONG BEACH TOWNE CENTER, LAKEWO
3 LOS ANGELES INT'L AIRPORT, LOS ANGE
4 LA PARISIENNE FRENCH RESTAURANT, D
5 LOS ANGELES CITY HALL, LOS ANGELES

- For details on how to use the list, see page 13.
- A "Z" icon is displayed for places reviewed by Zagat Survey. See page 28.

The Confirm Destination screen appears.

3 **Touch [OK to Proceed].**
*Select (highlight) "**OK to Proceed**" by tilting the joystick and press **ENTER**.*

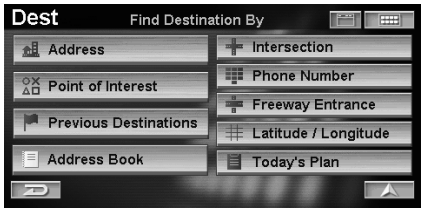
The system will begin calculating the route.

- For details of the **Confirm Destination**, see page 32.

Entering a Destination Using the Address Book

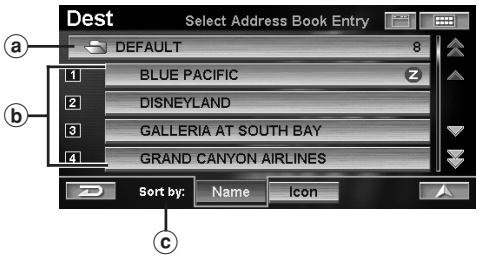
If a location has already been placed into your personal address book, you can recall this location for use as a destination. The Address Book holds up to 300 different addresses and phone numbers. For more information on how to store locations in the address book, see page 35.

1 **Touch [Address Book] on the Find Destination By screen.**
*Select (highlight) "**Address Book**" by tilting the joystick and press **ENTER**.*



The Select Address Book Entry screen is displayed.

2 **Touch the desired destination.**
*Select (highlight) the desired destination by tilting the joystick and press **ENTER**.*



ⓐ **Folder Name**
You can select the Address Book folder.

ⓑ **Name**
A list of places contained in the Address Book folder is displayed.

ⓒ **Sort by**
You can sort the place list.

Name: You can sort the list by names.
Icon: You can sort the list by icons.

- For details on how to use the list, see page 13.

The Confirm Destination screen appears.

3 **Touch [OK to Proceed].**
*Select (highlight) "**OK to Proceed**" by tilting the joystick and press **ENTER**.*

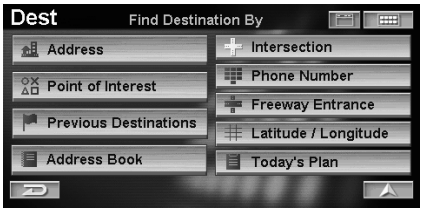
The system will begin calculating the route.

• For details of the **Confirm Destination**, see page 32.

Entering a Destination by Intersection

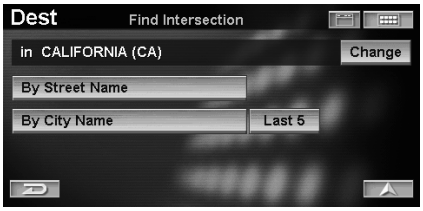
If you know an intersection near where you want to go, you can input two cross streets as your destination.

1 **Touch [Intersection] on the Find Destination By screen.**
*Select (highlight) "**Intersection**" by tilting the joystick and press **ENTER**.*



The Find Intersection menu is displayed.

2 **Selecting the State or Province you are in is displayed at the top of the screen. If your desired destination is in another state, select "Change."**

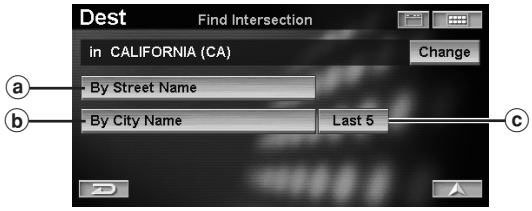


The Select State Name screen is displayed.

3 **Touch desired State or Province.**
*Select (highlight) the desired State or Province by tilting the joystick and press **ENTER**.*

• Select USA or Canada.

4 **To find an intersection, touch one of the following items.**
*To find an intersection, select one of the following items and press **ENTER**.*



ⓐ **By Street Name**
The **Input Street Name** screen appears. Go to step 7.

ⓑ **By City Name**
The **Input City Name** screen is displayed. Go to step 5.

ⓒ **Last 5**
The last five city names searched are stored in memory. You can reselect a city name from this list.

5 **Input the city name.**

• If the number of candidates narrows down to less than 5, the display automatically shows the **Select City Name** screen.

• For details on how to input, see page 13.

The Select City Name screen is displayed.

Continued

EN

6 Touch the desired city name.

*Select (highlight) the desired city name by tilting the joystick and press **ENTER**.*

- For details on how to use the list, see page 13.

  The Input Street Name screen is displayed.

- If a street does not have an intersection in the city, the no intersection dialog screen appears.

7 Input the street name.

- If the number of candidates narrows down to less than 5, the display automatically shows the **Select Street Name** screen.
- For details on how to input, see page 13.

  The Select Street Name screen is displayed.

8 Touch the desired street name.

*Select (highlight) the desired street name by tilting the joystick and press **ENTER**.*

- If the number of candidates narrows down to less than 5, the display automatically shows the **Select Cross Street Name** screen. Go to step 10.
- For details on how to use the list, see page 13.

  The Input Cross Street Name screen is displayed.

9 Input the second street name.

- If the number of candidates narrows down to less than 5, the display automatically shows the **Select Cross Street Name** screen.
- For details on how to input, see page 13.

  The Select Cross Street Name screen is displayed.

10 Touch the desired second street name.

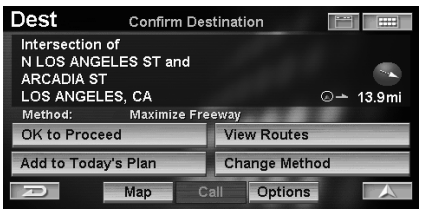
*Select (highlight) the desired second street name by tilting the joystick and press **ENTER**.*

- For details on how to use the list, see page 13.

  The Confirm Destination screen appears.

11 Touch [OK to Proceed].

*Select (highlight) "**OK to Proceed**" by tilting the joystick and press **ENTER**.*



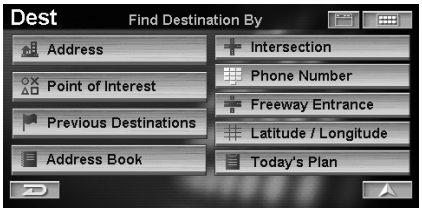
The system will begin calculating the route.

- For details of the **Confirm Destination**, see page 32.

Entering a Point of Interest by Phone Number

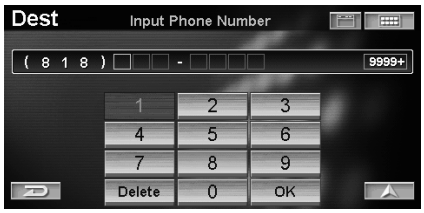
If you know the phone number of the point of interest you are heading to, use this function to find the destination address.

1 **Touch [Phone Number] on the Find Destination By screen.**
*Select (highlight) "**Phone Number**" by tilting the joystick and press **ENTER**.*



The Input Phone Number screen is displayed.

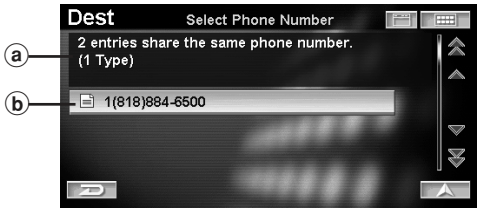
2 **Input a telephone number.**



- For details on how to input, see page 13.

The Select Phone Number screen is displayed.

3 **Touch the phone number.**
*Select (highlight) the phone number by tilting the joystick and press **ENTER**.*



ⓐ Information
Point of interest address, category, telephone number and direction and distance from the current position are displayed. If more than one place of interest name exists for the number, an entry number is displayed.

ⓑ Phone Number
If more than one point of interest with the phone number exists, an icon is displayed in front of the phone number. If you select the phone number with , the **Select Place Name** or **Select Place Type** or **Select Address** screen is displayed.

- : If more than one point of interest for a phone number exists, the button is displayed. If the button is selected, the display will show up to 10 asterisk icons on the map screen, representing points of interest (with the same phone number), near the current vehicle position. An icon can be selected and set as a destination.
- For details on how to use the list, see page 13.

The Confirm Destination screen appears.

4 **Touch [OK to Proceed].**
*Select (highlight) "**OK to Proceed**" by tilting the joystick and press **ENTER**.*

The system will begin calculating the route.

- For details of the **Confirm Destination**, see page 32.

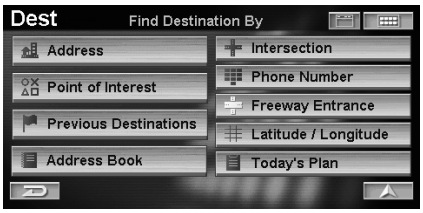
EN

Entering a Destination by Freeway Entrance

You can search for a location from the freeway entrance or exit.

1 Touch [Freeway Entrance] on the Find Destination By screen.

*Select (highlight) "**Freeway Entrance**" by tilting the joystick and press **ENTER**.*



The Find Freeway Entrance menu is displayed.

2 The State or Province you are in is displayed at the top of the screen. If your desired destination is in another state, select "Change."

The Select State Name screen is displayed.

3 Touch the desired State or Province.

*Select (highlight) the desired State or Province by tilting the joystick and press **ENTER.***

- Select USA or Canada.

4 To find a freeway entrance, touch one of the following items.

*To find a freeway entrance, select one of the following items and press **ENTER**.*

ⓐ **By Distance**
The **Select Freeway Entrance** screen is displayed in order of distance from the current position. Go to step 8.

ⓑ **By Name**
The **Input Freeway Name** screen is displayed. Go to step 5.

5 Input the freeway name.

- If the number of candidates narrows down to less than 5, the display automatically shows the **Select Freeway Name** screen.
- For details on how to input, see page 13.

The Select Freeway Name screen is displayed.

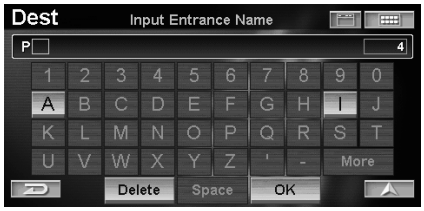
6 Touch the desired freeway name.

*Select (highlight) the desired freeway name by tilting the joystick and press **ENTER**.*

- If the number of candidates narrows down to less than 5, the display automatically shows the **Select Entrance Name** screen. Go to step 8.
- For details on how to use the list, see page 13.

The Input Entrance Name screen is displayed.

7 Input the entrance name.



- If the number of candidates narrows down to less than 5, the display automatically shows the **Select Entrance Name** screen.
- For details on how to input, see page 13.

The Select Entrance Name screen is displayed.

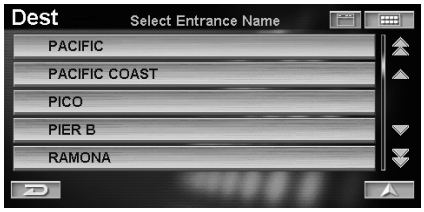
8 Touch the desired entrance name.

*Select (highlight) the desired entrance name by tilting the joystick and press **ENTER**.*

Select Freeway Entrance screen

Dest
Select Freeway Entrance
Entrance to
I-405 S
0.5mi
1 W 190TH ST & I-405 S, TORRANCE
2 W 190TH ST & SAN DIEGO FWY, TORRANCE
3 CA-213 & I-405 N, GARDENA

Select Entrance Name screen



- If more than one entrance in the selected entrance name exists, the **Select Entrance** screen is displayed.
- For details on how to use the list, see page 13.

The Confirm Destination screen appears.

9 Touch [OK to Proceed].

*Select (highlight) "**OK to Proceed**" by tilting the joystick and press **ENTER**.*

The system will begin calculating the route.

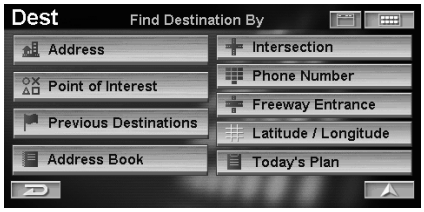
- For details of the **Confirm Destination**, see page 32.

Entering a Destination by Latitude and Longitude

If you know the latitude and longitude of the desired location, you can display that location by just inputting those numbers.

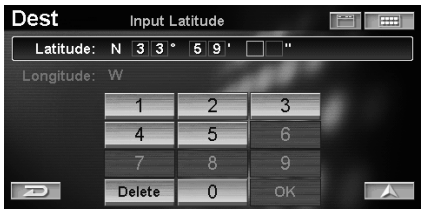
1 Touch [Latitude/Longitude] on the Find Destination By screen.

*Select (highlight) "**Latitude / Longitude**" by tilting the joystick and press **ENTER**.*



The Input Latitude screen is displayed.

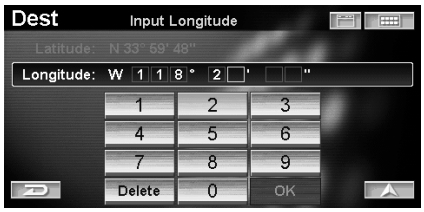
2 Input the latitude.



- For details on how to input, see page 13.

The Input Longitude screen is displayed.

3 Input the longitude.



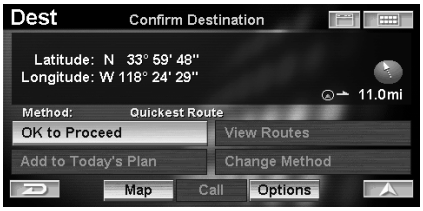
- For details on how to input, see page 13.

The Confirm Destination screen appears.

Continued

EN

4 **Touch [OK to Proceed].**
*Select (highlight) "**OK to Proceed**" by tilting the joystick and press ENTER.*

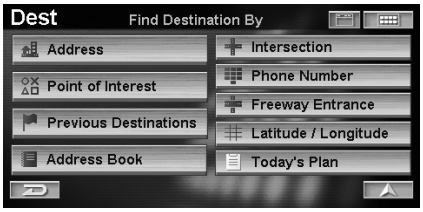


The system plots a straight red dotted line from your current position to the destination. This is only used as a reference. There is no guidance during this mode.

Using the Today's Plan Function

Today's Plan will calculate the most efficient travel order for multiple destinations. Up to 100 destinations can be stored in "Today's Plan."

1 **Touch [Today's Plan] on the Find Destination By screen.**
*Select (highlight) "**Today's Plan**" by tilting the joystick and press **ENTER**.*



The Sort Today's Plan menu is displayed.

2 **To use Today's Plan, touch one of the following items.**
*To use Today's Plan, select one of the following items and press **ENTER**.*

ⓐ By Optimum Route
Optimizes the route by minimizing the travel distance between all destinations in Today's Plan. The Confirm Destination screen of the nearest destination in Today's Plan List is displayed. If you would like to visit this destination first, select "**OK to Proceed**." The system will begin calculating the route.

ⓑ Set Last
The Optimum route will be calculated to ensure that the "Last" destination will be the final destination in the plan. Select the destination you would like to go last, then "**Done**."

ⓒ By Input Order
Destinations in the Today's Plan list can be visited in the order they were input.
The Confirm Destination screen of the first destination in Today's Plan List is displayed. If you would like to visit this destination first, select "**OK to Proceed**." The system will begin calculating the route.

- For details on how to use the list, see page 13.
- If you would like to select a different destination to route first, select "**Today's Plan List**." Today's Plan list will appear. Select the destination you would like to visit first.
- The Sort Today's Plan screen can also be recalled by the following operation:

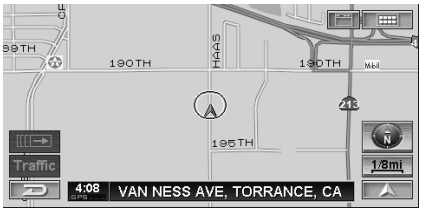
Touch Operation:
Touch [▥→], then [PLAN].

Remote Control Operation
Press PLAN.

Entering a Destination by Home

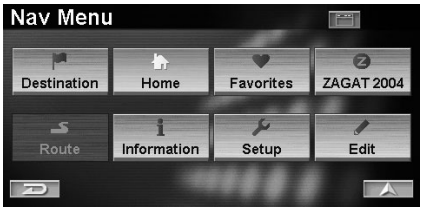
If your home has already been registered, you can call it out with a simple operation. For details about the registration method, see page 36.

1 **Touch [⌨].**
*Press **MENU**.*



The Nav Menu screen is displayed.

2 **Touch [Home].**
*Select (highlight) "**Home**" by tilting the joystick and press **ENTER**.*



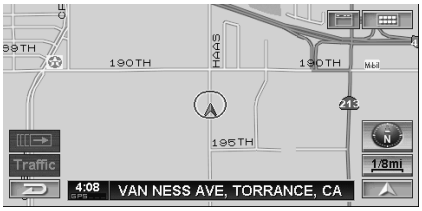
The system will begin calculating the route.

- If Confirm Home is set to "**Always**," the **Confirm Destination** screen is displayed (see page 68). Select "**OK to Proceed**," then set the destination.

Entering a Destination Using the Favorites

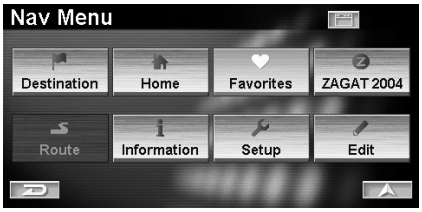
If your favorite destinations have already been registered, a simple operation can call them as your destination. For details on the registration method, see page 36.

1 **Touch [⌨].**
*Press **MENU**.*



The Nav Menu screen is displayed.

2 **Touch [Favorites].**
*Select (highlight) "**Favorites**" by tilting the joystick and press **ENTER**.*



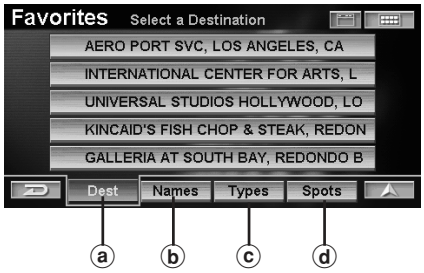
The Favorites list is displayed.

EN

Continued

3 Touch the desired favorites category, then item.

*Select (highlight) the desired favorites category by tilting the joystick and press **ENTER**. After that select an item and press **ENTER**.*



ⓐ **Dest**
A place that is registered as “Dest” in Favorites can be set as the destination.

ⓑ **Names**
A place name that is registered in “Name” can be easily searched. Refer to step 4 in “Entering a Point of Interest by Place Name” (see page 17).

ⓒ **Types**
A place name that is registered in “Type” can be easily searched. Refer to step 5 in “Entering a Point of Interest by Place Type” (see page 19).

ⓓ **Spots**
Places surrounding the location registered in “Spots” can be easily searched. Refer to step 3 in “Entering a Point of Interest by Place Type” (see page 18).

4 Touch [OK to Proceed].

*Select (highlight) “**OK to Proceed**” by tilting the joystick and press **ENTER**.*

The system will begin calculating the route.

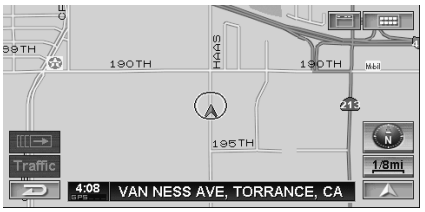
- For details of the **Confirm Destination**, see page 32.
- If Confirm Favorite Dest is set to **“Never”** and a Favorite Dest place is selected, the **Confirm Destination** screen is not displayed, but the route is calculated to the destination (see page 69).

Entering a Destination Using ZAGAT SURVEY Data

The system is supplied with data from the 2004 Zagat Survey U.S. Restaurant Guide. The Zagat Survey ratings are displayed for ease in selecting a desired restaurant.

1 Touch [⌨].

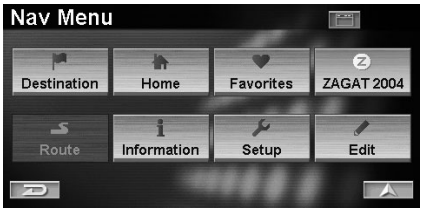
*Press **MENU**.*



The Nav Menu screen is displayed.

2 Touch [ZAGAT 2004].

*Select (highlight) “**ZAGAT 2004**” by tilting the joystick and press **ENTER**.*



The Select Metro Area screen is displayed.

3 Touch the desired metro area.

*Select (highlight) the desired metro area by tilting the joystick and press **ENTER**.*

- For details on how to use the list, see page 13.

The Select Region screen is displayed.

4 Touch the desired region.
*Select (highlight) the desired region by tilting the joystick and press **ENTER**.*

- For details on how to use the list, see page 13.

The Select Neighborhood screen is displayed.

5 Touch the desired neighborhood.
*Select (highlight) the desired neighborhood by tilting the joystick and press **ENTER**.*

- For details on how to use the list, see page 13.

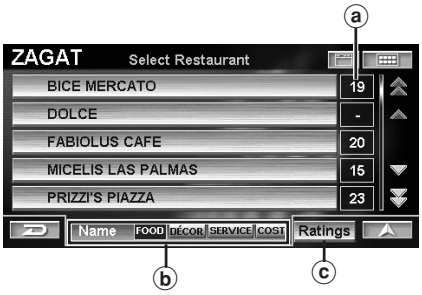
The Select Food Type screen is displayed.

6 Touch the desired food type.
*Select (highlight) the desired food type by tilting the joystick and press **ENTER**.*

- For details on how to use the list, see page 13.

The Select Restaurant screen is displayed.

7 Touch the desired restaurant name.
*Select (highlight) the desired restaurant name by tilting the joystick and press **ENTER**.*



ⓐ **Ranking**
Selected ranking or average price is displayed.

ⓑ **Name**
Restaurant names are sorted alphabetically.

ⓒ **Ratings**
Restaurant names are sorted by rating.

- For details on how to use the list, see page 13.

The Review and Ratings screen is displayed.

8 Touch [OK].
*Select (highlight) "**OK**" by tilting the joystick and press **ENTER**.*

ⓐ **Ranking**
The ranking of each rating type and an average price are displayed.

ⓑ **Information**
The address of the restaurant, telephone number and review of the restaurant are displayed.

ⓒ **Read**
Information is read with voice guidance.

ⓓ **Key**
The ranking explanation is displayed.

The Confirm Destination screen is displayed.

Continued

EN

9 **Touch [OK to Proceed].**
*Select (highlight) "**OK to Proceed**" by tilting the joystick and press **ENTER**.*

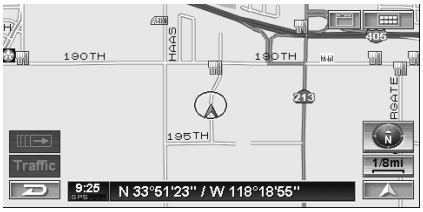
The system will begin calculating the route.

- For details of the **Confirm Destination**, see page 32.

Entering a Destination by Scrolling Displayed Map

This feature allows you quick and easy selection of a new destination directly from a street segment or Point of interest icon on the Detailed Map Display. By selecting a street segment or icon, you can quickly enter a destination without inputting the city name, street, etc.

1 **Touch the Map Display.**

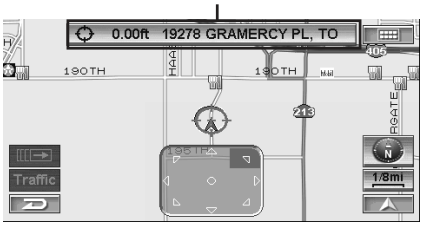


The Scroll pad is displayed.

- The scroll pad is not displayed when scrolling the map with the remote control.

2 **Touch [▲] for the direction you want to scroll on the scroll pad and scroll the map.**
Tilt the joystick to scroll the map in the desired direction.

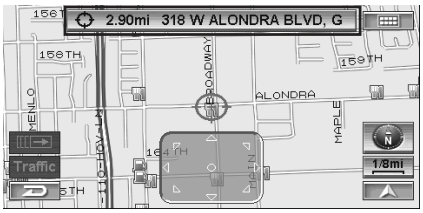
The street name button



The map scrolls.

- While moving the crosshair icon, the street name display changes to the latitude/longitude display.

3 **Align the crosshair icon on the destination, and touch the street name button.**
*Align the crosshair icon on the destination, and press **ENTER**.*

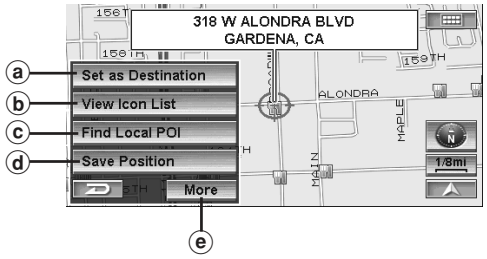


- The latitude/longitude display changes to the street name.

The Point Display sub menu appears.

4 Touch [Set as Destination].

*Select (highlight) "**Set as Destination**" by tilting the joystick and press **ENTER**.*



ⓐ Set as Destination
A place can be set as a destination.

ⓑ View Icon List
The icons around the cursor are listed.
If a POI icon is set to "Hide," "View Icon List" cannot be selected. See "POI Icons" (page 62).

ⓒ Find Local POI
A selected place surrounding a POI can be searched.

ⓓ Save Position
A place is stored in Previous Destination.

ⓔ More
The following page is displayed.

ⓕ Add to Favorite Spot
A favorite place can be stored in Favorite Spot.

ⓖ Avoid Road
A place to be avoided can be stored in Avoid Road.
Select a distance from "1/2 mi", "1 mi" or "2 mi."

ⓗ Avoid Area
An area to be avoided can be stored in Avoid Area.
Select a distance from "1/2 mi", "1 mi" or "2 mi."

ⓘ Back
The previous page is displayed.

The Confirm Destination screen appears.

5 Touch [OK to Proceed].

*Select (highlight) "**OK to Proceed**" by tilting the joystick and press **ENTER**.*

The system will begin calculating the route.

• For details of the **Confirm Destination**, see page 32.

EN

Confirm Destination

After a destination is searched, use the Confirm Destination screen to customize the route. Setting a new destination, storing Today's Plan and Address Book, etc., can be performed on the Confirm Destination screen.

■ **Confirm Destination screen**

ⓐ **Information**
A place name, address, telephone number, direction and distance from the current position are displayed.

ⓑ **OK to Proceed**
When you set a destination, the system begins calculating a route to the destination.

ⓒ **Add to Today's Plan**
To store a place in Today's Plan, see "Add to Today's Plan" (page 32).

ⓓ **View Routes**
The system displays the entire route in a North up map display. Different routes are displayed in 5 different colors for easy selection of the desired route (see "View Route," page 33).

ⓔ **Change Method**
The system lets you select the way you want to drive to your destination, see "Change Method" (page 33).

ⓕ **Map**
A map of the area surrounding the selected destination is displayed (see "Open Map," page 34).

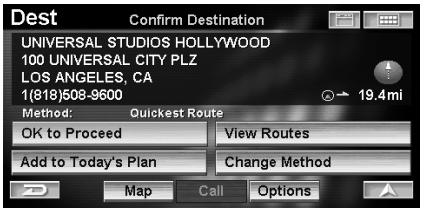
ⓖ **Call**
Not used. The function will be available in the future.

ⓗ **Options**
The Select Option screen is displayed, see "Displaying the Option Menu Screen" (page 34).

Add to Today's Plan

Today's Plan will calculate the most efficient travel order for multiple destinations. Up to 100 destinations can be stored in "Today's Plan."

1 Touch [Add to Today's Plan] on the Confirm Destination screen.
*Select (highlight) "**Add to Today's Plan**" by tilting the joystick and press **ENTER**.*



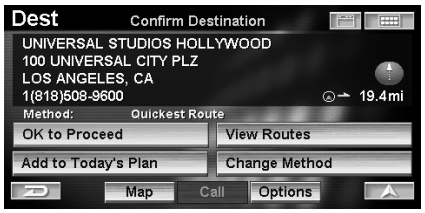
The Today's Plan list is displayed with the added destination highlighted. The system returns to the Find Destination by screen.

View Route

Different routes are displayed in 5 different colors for easy selection of a desired route.

1 Touch [View Routes] on the Confirm Destination screen.

*Select (highlight) "**View Routes**" by tilting the joystick and press **ENTER**.*



5 different routes are displayed.

2 Touch [Next].

*Select (highlight) "**Next**" by tilting the joystick and press **ENTER**.*

Current route, distance and anticipated arrival time to the destination

- Each time "**Next**" is selected, the displayed route changes.

Quickest Route → Max. Freeways → Min. Toll Roads → Shortest Route → Min. Freeways → Quickest Route

3 Touch the desired route.

*Select (highlight) desired route by tilting the joystick and press **ENTER**.*

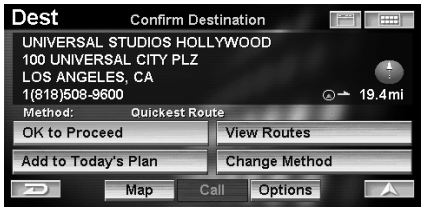
The selected route starts to guide.

Change Method

You can change the way the system calculates a route.

1 Touch [Change Method] on the Confirm Destination screen.

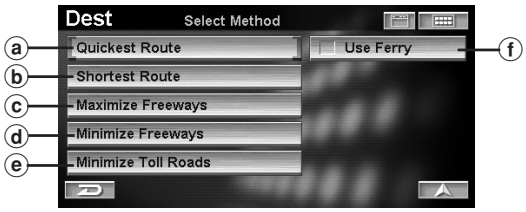
*Select (highlight) "**Change Method**" by tilting the joystick and press **ENTER**.*



The Select Method menu is displayed.

2 Touch the desired Method.

*Select (highlight) the desired method by tilting the joystick and press **ENTER**.*



ⓐ **Quickest Route**
When set to Quickest, the system will calculate the most efficient way to arrive at your destination.

ⓑ **Shortest Route**
When set to Shortest Route, the system will calculate the shortest route to the destination.

ⓒ **Maximize Freeways**
The Maximize Freeway option calculates a route that makes most efficient use of freeways.

ⓓ **Minimize Freeways**
When set to Minimize Freeways, the system will calculate a route that uses mostly regular streets or roads.

ⓔ **Minimize Toll Roads**
The Minimize Toll Roads option calculates a route that uses the least number of pay roads enroute to the destination.

ⓕ **Use Ferry**
When you calculate a route, you can set whether to use a ferry or not. If you set to Use Ferry, select any of the above described methods so that the route can be calculated to use ferries.

The display returns to the Confirm Destination screen.

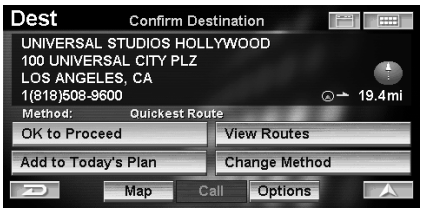
EN

Open Map

A map of the area surrounding the selected destination is displayed. The area can be changed by scrolling the map.

1 Touch [Map] on the Confirm Destination screen.

*Select (highlight) "**Map**" by tilting the joystick and press **ENTER**.*



A map surrounding a selected place is displayed.

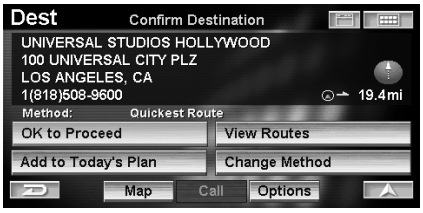
2 Scroll the map to change a place, see "Entering a Destination by Scrolling Displayed Map" on page 30.

Displaying the Option Menu Screen

You can register the searched destinations in Address Book or Home, or add to Favorites in the option menu.

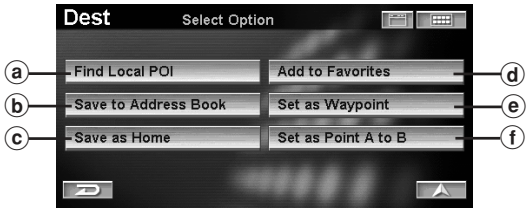
1 Touch [Options] on the Confirm Destination screen.

*Select (highlight) "**Options**" by tilting the joystick and press **ENTER**.*



The Select Option screen is displayed.

■ **Select Option screen**



ⓐ **Find Local POI**
View and select local POIs surrounding the current destination, see "Find Local POI (Point of Interest)" (page 34).

ⓑ **Save to Address Book**
A place can be stored in Address Book, see "Save to Address Book" (page 35).

ⓒ **Save as Home**
A place can be stored as Home, see "Save as Home" (page 36).

ⓓ **Add to Favorites**
A place can be stored in Favorites, see "Add to Favorites" (page 36).

ⓔ **Set as Waypoint**
You can set up to 1 waypoint from your current position to the destination, see "Set as Waypoint" (page 36).

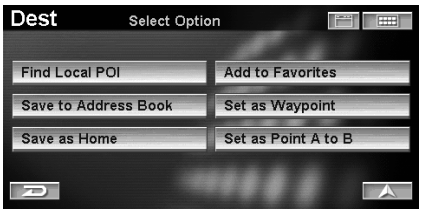
ⓕ **Set as Point A to B**
Set current destination as point A. Input a point B to calculate between two points, see "Set as Point A to B" (page 37).

Find Local POI (Point of Interest)

Local POIs surrounding the current destination are listed. These may be selected as a new destination.

1 Touch [Find Local POI] on the Select Option screen.

*Select (highlight) "**Find Local POI**" by tilting the joystick and press **ENTER**.*



The Select Place Type screen is displayed.

2 Touch the desired category of place type.

*Select (highlight) the desired category of place type by tilting the joystick and press **ENTER**.*

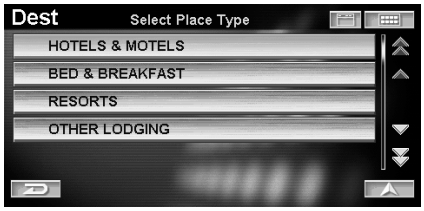
- For details on how to use the list, see page 13.
- When you select "**Input Place Type**," input a keyword of place type and select Place Type.

- If more than one point of interest type exists. an icon is displayed ▤ in front of point of interest type. If you select the place type with ▤, go to step 3. If you select the place type without ▤, go to step 4.

The sub-menu of Select Place Type screen is displayed.

3 Touch the desired place type.

*Select (highlight) the desired place type by tilting the joystick and press **ENTER**.*

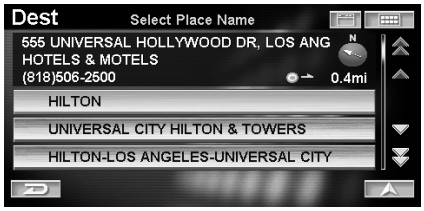


- For details on how to use the list, see page 13.

The Select Place Name screen is displayed.

4 Touch the desired place name.

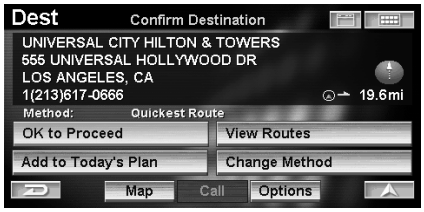
*Select (highlight) the desired place name by tilting the joystick and press **ENTER**.*



The Confirm Destination screen appears.

5 Touch [OK to Proceed].

*Select (highlight) "**OK to Proceed**" by tilting the joystick and press **ENTER**.*



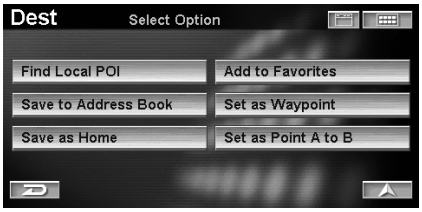
The system will begin calculating the route.

Save to Address Book

Up to 300 addresses can be stored in Address Book. Address Book can be stored in any folder.

1 Touch [Save to Address Book] on the Select Option screen.

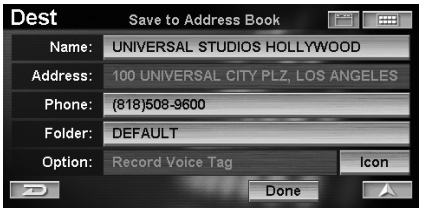
*Select (highlight) "**Save to Address Book**" by tilting the joystick and press **ENTER**.*



The Save to Address Book screen is displayed.

2 Touch [Done].

*Select (highlight) "**Done**" by tilting the joystick and press **ENTER**.*



- You can modify items in Address Book. For details, see "Editing the Address Book" (page 44).

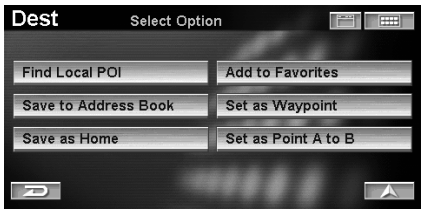
The display returns to the Confirm Destination screen.

EN

Save as Home

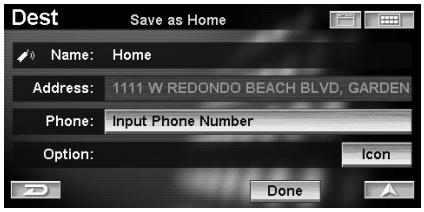
Register any destination as home. By doing so, it can be instantly recalled for finding your way home.

1 Touch [Save as Home] on the Select Option screen.
*Select (highlight) "**Save as Home**" by tilting the joystick and press **ENTER**.*



The Save as Home screen is displayed.

2 Touch [Done].
*Select (highlight) "**Done**" by tilting the joystick and press **ENTER**.*

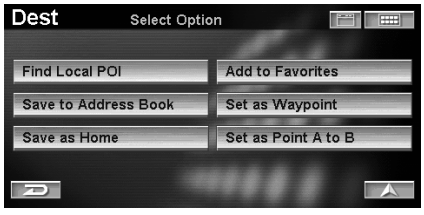


- You can modify items in Home. For details, see "Editing the Home" (page 53).
- You can register only one "home."

Add to Favorites

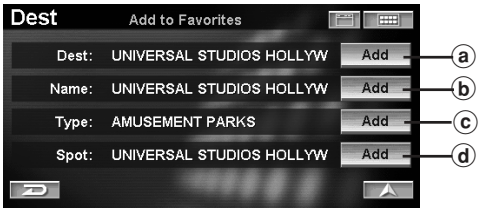
There are 4 categories, Destination, Name, Type and Spot. You can register 5 different favorites for each category.

1 Touch [Add to Favorites] on the Select Option screen.
*Select (highlight) "**Add to Favorites**" by tilting the joystick and press **ENTER**.*



The Add to Favorites screen is displayed.

2 Touch [Add] of the desired item.
*Select (highlight) **"Add"** of the desired item by tilting the joystick and press **ENTER**.*



ⓐ **Dest**
Register Dest as a frequent destination, which can easily be recalled. When the **Confirm Favorite Destination** screen is displayed, select **"Done."**

ⓑ **Name**
Register only a place name. This function is useful for finding places of the same name.

ⓒ **Type**
Register only a place type. This function is useful for finding places of a particular type.

ⓓ **Spot**
Register a location. Use this location to find local POIs within the surrounding area registered.

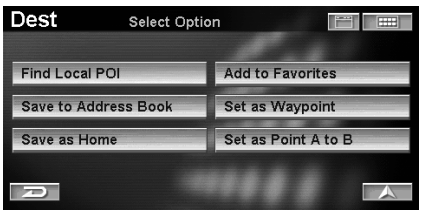
The system returns to the Confirm Destination screen.

- Items in Favorite can be modified, see "Editing the Favorites" on page 48.

Set as Waypoint

You can set up to 1 waypoint from your current position to the destination.

1 Touch [Set as Waypoint] on the Select Option screen.
*Select (highlight) "**Set as Waypoint**" by tilting the joystick and press **ENTER**.*



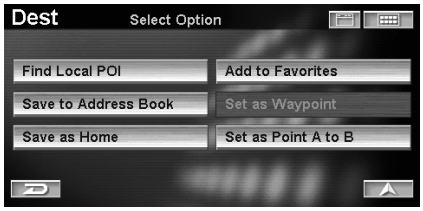
The system automatically calculates a route with your set waypoints enroute.

- You can set up to 1 waypoint. Waypoint flag icon is displayed on the map screen.

Set as Point A to B

Calculate a route between points A and B.

1 **Touch [Set as Point A to B] on the Select Option screen.**
*Select (highlight) "**Set as Point A to B**" by tilting the joystick and press **ENTER**.*

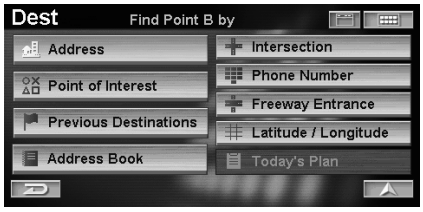


The confirmation message for whether to set a place as A is displayed.

2 **Touch [OK].**
*Press **ENTER**.*

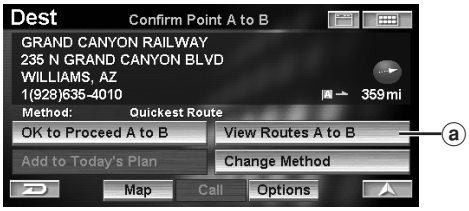
The Find Point B by screen is displayed.

3 **The place set as B is searched.**



The Confirm Point A to B screen appears.

4 **Touch [OK to Proceed A to B].**
*Select (highlight) the "**OK to Proceed A to B**" by tilting the joystick and press **ENTER**.*



The system begins calculating a route between A and B.

ⓐ **View Routes A to B**
Displays all routes between point A and B.

- Point A or B are displayed with a flag on the map.

Point A

Point B

EN

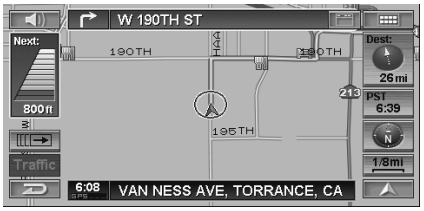
Driving to Your Destination

Changing the route guidance display

Once the route has been calculated and driving begins, the navigation system will guide the driver, turn-by-turn, to the destination. Real time voice directions and map displays aid the driver throughout the entire route.

The type of display that appears during your trip can be selected according to your preference.
The Map Route Guidance Display automatically appears when the destination is selected while the vehicle is in motion.

1 Touch [▥→].



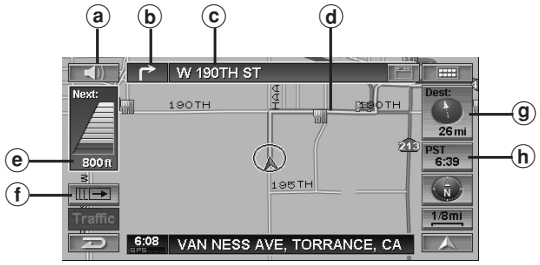
The route sub menu is displayed.

2 Touch [DISP.].
Press ***DISP****.*

Route sub menu

- Each touch of **DISP.** changes the display.
- While driving on a freeway, Arrow Route Guidance Display changes to the Freeway Junction display.
- During the Map Route Guidance Display or Split Route Guidance display setting, if you set Auto Zoom Map to ON in Setup, the map scale automatically zooms to a suitable scale before an intersection (see page 65).
- When Display is set to Hybrid in Setup, the setting automatically changes display type when approaching an intersection (see page 64).
- You can also change the route guidance display by touching [▲].

■ **Map Route Guidance Display**



ⓐ **VOICE button (◀)))**
Initiates vocal instruction for next route maneuver or repeats last instruction.

ⓑ **Information on the next intersection**

ⓒ **Street/highway name of next maneuver**

ⓓ **Route Line**
A route is displayed in blue when you are driving on a verified road to the destination. When you are driving on an unverified road, a red dotted line gives the bearing to your waypoint or destination. Before driving onto an unverified road that traverses your route, a blue dotted line is shown between the unverified roads.

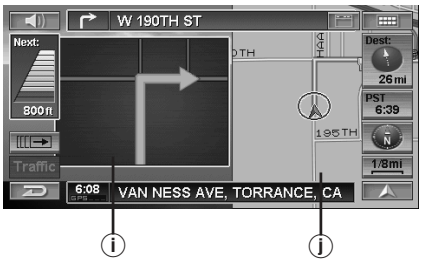
ⓔ **Distance to next maneuver**

ⓕ **▥→ button**
Displays the route sub menu.

ⓖ **Distance and Direction to Destination**

ⓗ **Estimated Remaining/ Arrival Time**

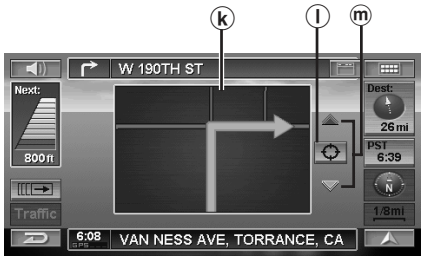
■ **Split Route Guidance Display**



ⓘ **Arrow Route Guidance Display**
Information on the next intersection.

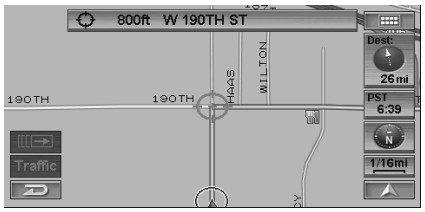
ⓙ **Map Route Guidance Display**

■ **Arrow Route Guidance Display**



ⓚ **Arrow Route Guidance Display**
Information on the next intersection.

ⓛ ⌖
The intersection or Freeway Junction map is displayed.



ⓜ ▲, ▼
You can scroll the intersection or Freeway Junction map display 2 ways:

Touch Operation:
Each touch of [▲] or [▼] scrolls items one by one, up or down.

Remote Control Operation:
Tilt the joystick up or down.

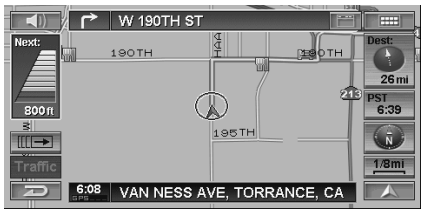
■ **Freeway Junction Display**

ⓝ **Freeway Junction Display**
Information on the next junction.

Recalling the Maneuver List during Guidance

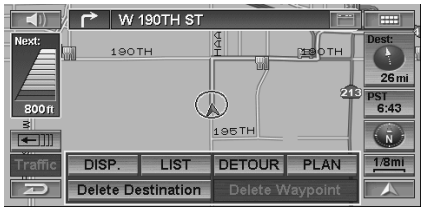
During route guidance, you can display a list of maneuver to preview upcoming turns and street names.

1 **Touch [▥→].**



The route sub menu is displayed.

2 **Touch [LIST].**
Press ***LIST****.*



The Maneuver List is displayed.

ⓐ **Distance / Arrow**
ⓑ **Next Street Name**

EN

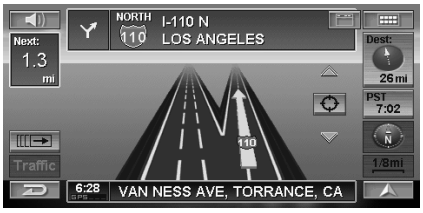
Continued

Recalling the Arrow Route Guidance Display

The Arrow Route Guidance display for intersection or freeway junction can be displayed.

1 Touch Distance/Arrow to preview a specified Arrow Route Guidance display.
*Select (highlight) the desired Distance / Arrow by tilting the joystick and press **ENTER**.*

The Arrow Route Guidance screen is displayed.



Avoiding

You can choose to avoid a particular street or freeway junction along your route.

1 Touch the street name to be avoided.
*Select (highlight) the desired street name by tilting the joystick and press **ENTER**.*

The street name is checked.

2 Touch [Avoid].
*Select (highlight) "**Avoid**" tilting the joystick and press **ENTER**.*

The system begins calculating a new route.

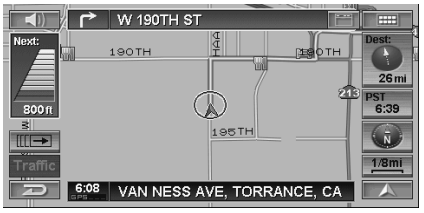
Auto Reroute

When you are driving to the destination following Route Guidance, if you deviate from the route, the system will automatically calculate a new route.

Detour

You can calculate a new route from your current position around an approaching detour on the current route. If there is a construction site ahead, for example, search for a detour by estimating the distance from your current position to the site.

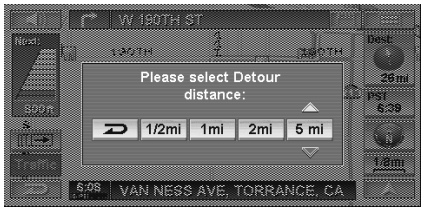
1 Touch [ ].



The route sub menu is displayed.

2 Touch [DETOUR].
*Press **DETOUR**.*

3 Select the estimated distance of the detour. Touch [1/2mi], [1mi], [2mi] or [5mi].
*Tilt the joystick to select "**1/2mi**," "**1mi**," "**2mi**" or "**5mi**" and press **ENTER**.*



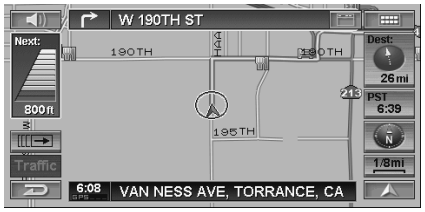
The system begins calculating a new route.

- If the route is longer than 30 miles, you can select a detour distance of up to 30 miles.

Displaying the Route Menu Screen

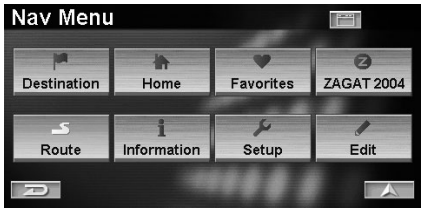
You can find a POI along the route using the Edit Route function, or change a route condition.

1 Touch [⌨].
*Press **MENU**.*

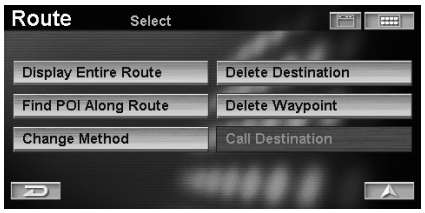


The Nav Menu screen is displayed.

2 Touch [Route].
*Select (highlight) "**Route**" by tilting the joystick and press **ENTER**.*



The Route menu is displayed.



You can select the following items.

- Display Entire Route (see page 41)
- Find POI Along Route (see page 41)
- Change Method (see page 42)
- Delete Destination (see page 43)
- Delete Waypoint (see page 43)
- Call Destination (Currently not used)

Display Entire Route

The navigation system allows you to view the entire route so that you can verify the navigation system's route calculation.

1 Touch [Display Entire Route] on the route menu screen.
*Select (highlight) "**Display Entire Route**" by tilting the joystick and press **ENTER**.*

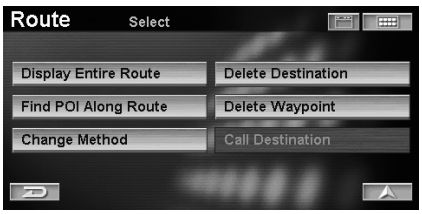
The entire route is displayed on a map with a large enough view that you can see the entire route.

2 When you touch [▲], the system returns to the map screen.
*Press **CANC**., the system returns to the map screen.*

Find POI Along Route

A POI along the route can be set as a waypoint.

1 Touch [Find POI Along Route] on the route menu screen.
*Select (highlight) "**Find POI Along Route**" by tilting the joystick and press **ENTER**.*



The Select Place Type screen is displayed.

Continued

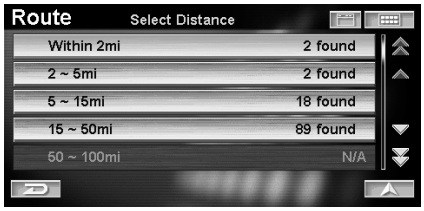
EN

2 Touch the desired category of place type.
*Select (highlight) the desired category of place type by tilting the joystick and press **ENTER**.*

- For details on how to use the list, see page 13.
- When you select "**Input Place Type**," input a keyword of place type and select Place Type.
- If more than one point of interest type exists, an icon is displayed in front of point of interest type. If you select the place type with , the **Select Place Type** screen is displayed.

The Select Distance screen is displayed.

3 Touch the desired distance.
*Select (highlight) the desired distance by tilting the joystick and press **ENTER**.*

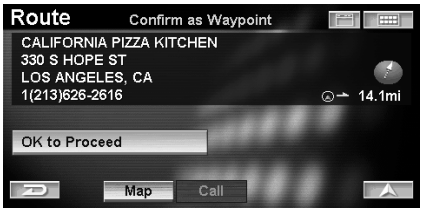


The Select Place Name screen is displayed.

4 Touch the desired place name.
*Select (highlight) the desired place name by tilting the joystick and press **ENTER**.*

The Confirm as Waypoint screen is displayed.

5 Touch [OK to Proceed].
*Select (highlight) "**OK to Proceed**" by tilting the joystick and press **ENTER**.*



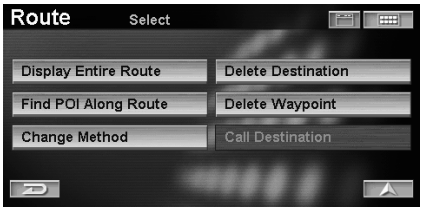
The system begins calculating a new route.

- A map surrounding the searched POI is displayed by selecting "Map."

Change Method

Change Method allows you to select the way the system calculates the drive to your destination.

1 Touch [Change Method] on the route menu screen.
*Select (highlight) "**Change Method**" by tilting the joystick and press **ENTER**.*



The Select Method menu is displayed.

2 Touch the desired Method.
*Select (highlight) the desired method by tilting the joystick and press **ENTER**.*

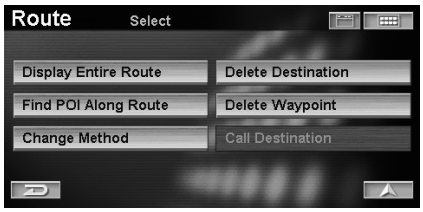
- For details of each Method, see page 33.

The system begins calculating a new route.

Delete Destination

This section explains how to delete a destination you have previously set. Any waypoints for that destination will also be deleted.

1 **Touch [Delete Destination] on the route menu screen.**
*Select (highlight) "**Delete Destination**" by tilting the joystick and press **ENTER**.*



The confirmation dialog screen appears.

2 **Touch [Yes].**
*Select (highlight) "**Yes**" by tilting the joystick and press **ENTER**.*

The destination is deleted and the screen returns to the current vehicle position. If a waypoint existed, then both the destination and the waypoint are deleted.

- If the destination was from Today's Plan, then Today's Plan guidance shall be canceled but destinations kept in the Today's Plan list.
- A destination can also be deleted by the following operation.

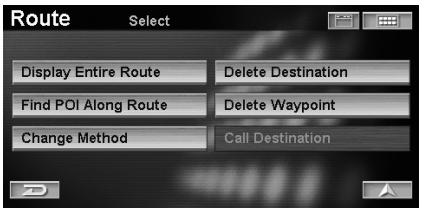
Touch Operation:
Touch [ ], then [Delete Destination].

Remote Control Operation:
*Press **DEL.DEST**.*

Delete Waypoint

This section explains how to delete all waypoints you have previously set.

1 **Touch [Delete Waypoint] on the route menu screen.**
*Select (highlight) "**Delete Waypoint**" by tilting the joystick and press **ENTER**.*



The confirmation dialog screen appears.

2 **Touch [Yes].**
*Select (highlight) "**Yes**" by tilting the joystick and press **ENTER**.*

The waypoint will be deleted. The system begins calculating a new route.

- Waypoints can also be deleted by Touch Operation:
Touch [ ], then **[Delete Waypoint]**.

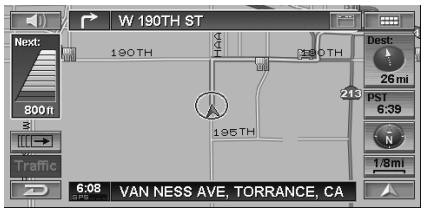
EN

Edit Features

Displaying the Edit Menu Screen

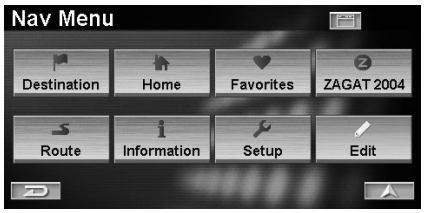
You can edit items registered in the system.

1 **Touch [⌨].**
*Press **MENU**.*

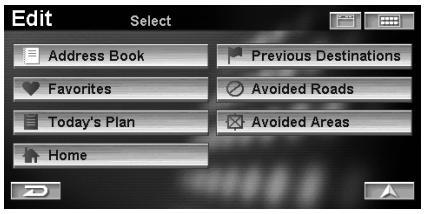


The Nav Menu screen is displayed.

2 **Touch [Edit].**
*Select (highlight) "**Edit**" by tilting the joystick and press **ENTER**.*



The Edit menu is displayed.



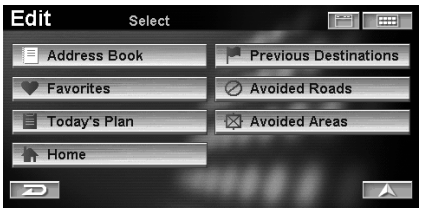
You can edit the following items.

- Address Book (see page 44)
- Favorites (see page 48)
- Today's Plan (see page 52)
- Home (see page 53)
- Previous Destinations (see page 53)
- Avoided Roads (see page 54)
- Avoided Areas (see page 55)

Editing the Address Book

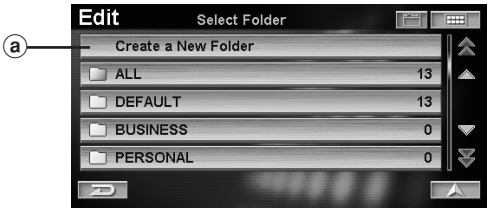
You can change the names, addresses, phone numbers, folders, icons, etc. of the address books.

1 **Touch [Address Book] on the edit menu screen.**
*Select (highlight) "**Address Book**" by tilting the joystick and press **ENTER**.*



The Select Folder screen is displayed.

2 **Touch the desired folder.**
*Select (highlight) the desired folder by tilting the joystick and press **ENTER**.*



ⓐ Create a New Folder
You can create a new folder. (See "Create a New Folder" on page 45.)

The Folder sub-menu is displayed.

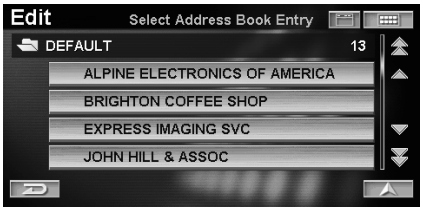
3 **Touch [Open Folder].**
*Select (highlight) "**Open Folder**" by tilting the joystick and press **ENTER**.*

ⓑ Rename Folder
The folder name can be modified. (See "Rename Folder" on page 46.)

ⓒ Delete Folder
A folder can be deleted. (See "Delete Folder" on page 46.)

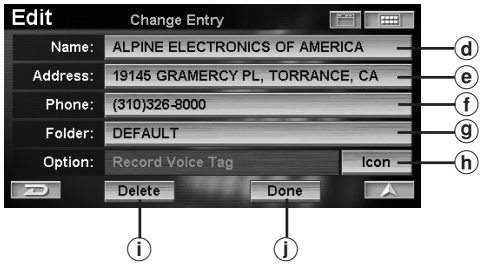
The Address Book list in the folder is displayed.

4 Touch the desired address book entry.
*Select (highlight) the desired address by tilting the joystick and press **ENTER**.*



The Change Entry screen is displayed

5 Modify each item.



ⓓ Name
The name of the entry can be changed. (See “Name Change” on page 46.)

ⓔ Address
The address of the entry can be changed. (See “Address Change” on page 47.)

ⓕ Phone
The telephone number of the entry can be changed. (See “Phone Number Change” on page 47.)

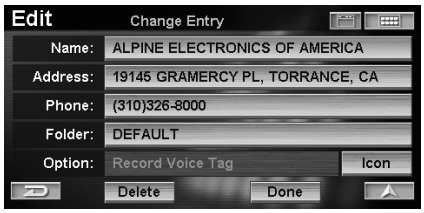
ⓖ Folder
The folder in which the entry is stored in can be changed. (See “Folder Change” on page 47.)

ⓗ Icon
The icon on the map for this entry can be changed. (See “Icon Change” on page 48.)

ⓘ Delete
The entry can be deleted from the address book. (See “Delete Address Book Entry” on page 48.)

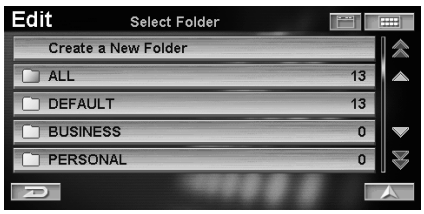
ⓙ Done
Confirm all your address book entry changes. Select Done when you have completed all changes to Address Book.

6 When all changes have been completed, be sure to touch [Done] to set the change.
*Select (highlight) “**Done**” by tilting the joystick and press **ENTER**.*



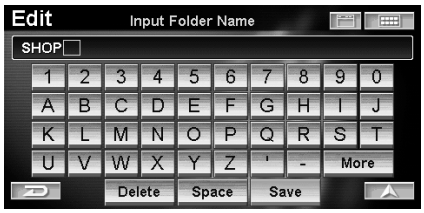
Create a New Folder

1 Touch [Create a New Folder] on the Select Folder screen.
*Select (highlight) “**Create a New Folder**” by tilting the joystick and press **ENTER**.*



The Input Folder Name screen is displayed.

2 Input a folder name.



- For details on how to input the name, see page 13.

3 Touch [Save].
*Select (highlight) “**Save**” by tilting the joystick and press **ENTER**.*

After the folder name is saved, a new folder is created.

Continued

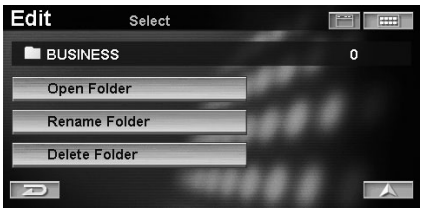
EN

Rename Folder

The ALL and DEFAULT folder names cannot be changed.

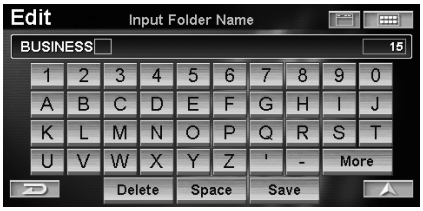
1 Touch [Rename Folder] on the Folder sub-menu screen.

*Select (highlight) "**Rename Folder**" by tilting the joystick and press **ENTER**.*



The Input Folder Name screen is displayed.

2 Input a folder name.



- For details on how to input the name, see page 13.

3 Touch [Save].

*Select (highlight) "**Save**" by tilting the joystick and press **ENTER**.*

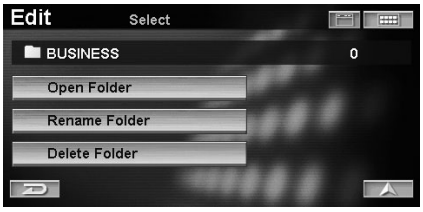
A folder name is changed.

Delete Folder

The ALL and DEFAULT folders cannot be deleted.

1 Touch [Delete Folder] on the Folder sub-menu screen.

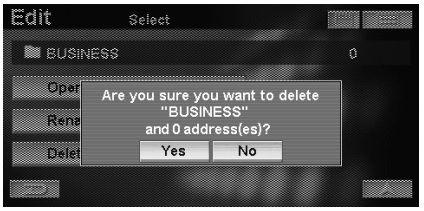
*Select (highlight) "**Delete Folder**" by tilting the joystick and press **ENTER**.*



The confirmation dialog screen appears.

2 Touch [Yes].

*Select (highlight) "**Yes**" by tilting the joystick and press **ENTER**.*



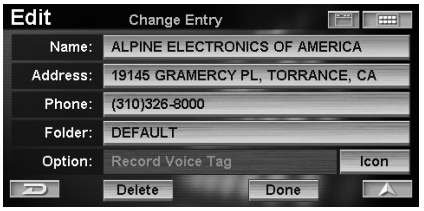
A folder is deleted.

- Address Book data in the deleted folder is also deleted. If you do not want to delete the Address Book data, move it to another folder before deleting. See "Folder Change" (page 47).

Name Change

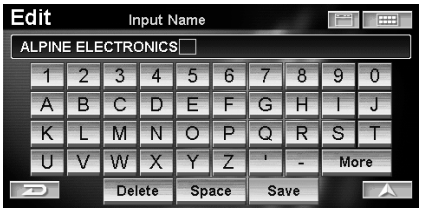
1 Touch the name on the Change Entry screen.

*Select (highlight) the name by tilting the joystick and press **ENTER**.*



The Input Name screen is displayed.

2 Input the address book entry name.



- For details on how to input the name, see page 13.

3 Touch [Save].

*Select (highlight) "**Save**" by tilting the joystick and press **ENTER**.*

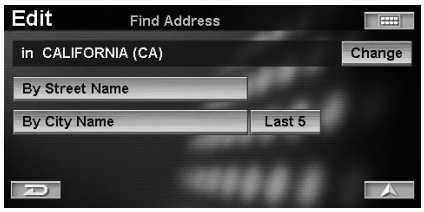
The address book name is changed.

Address Change

1 Touch the address on the Change Entry screen.
*Select (highlight) the address by tilting the joystick and press **ENTER**.*

The Find Address screen is displayed.

2 Refer to "Entering a Destination by Address" in steps 4 to 9 (see page 16), and then input an address.

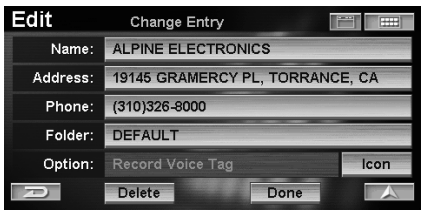


3 Touch [OK].
*Select (highlight) "**OK**" by tilting the joystick and press **ENTER**.*

The address of the entry is changed.

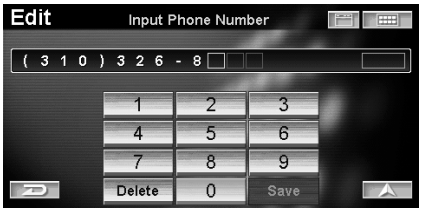
Phone Number Change

1 Touch the phone number on the Change Entry screen.
*Select (highlight) the phone number by tilting the joystick and press **ENTER**.*



The Input Phone Number screen is displayed.

2 Input a phone number.



- For details on how to input the number, see page 13.

3 Touch [Save].
*Select (highlight) "**Save**" by tilting the joystick and press **ENTER**.*

The phone number of the entry is changed.

Folder Change

1 Touch the folder name on the Change Entry screen.
*Select (highlight) the folder name by tilting the joystick and press **ENTER**.*

The Select Folder screen is displayed.

2 Touch the desired folder.
*Select (highlight) the desired folder by tilting the joystick and press **ENTER**.*

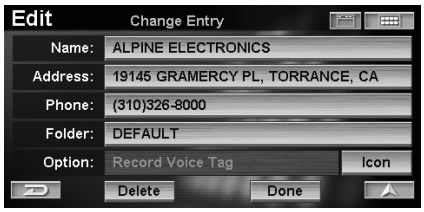
The folder in address book is changed.

Continued

EN

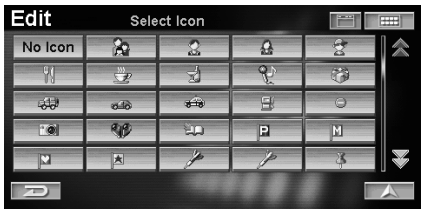
Icon Change

1 **Touch [Icon] on the Change Entry screen.**
*Select (highlight) "**Icon**" by tilting the joystick and press **ENTER**.*



The Select Icon screen is displayed.

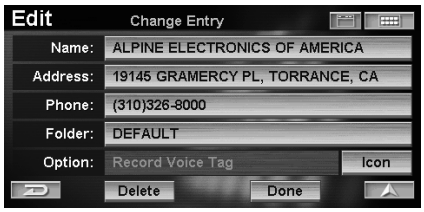
2 **Touch the desired icon.**
*Select (highlight) the desired icon by tilting the joystick and press **ENTER**.*



The address book icon is changed.

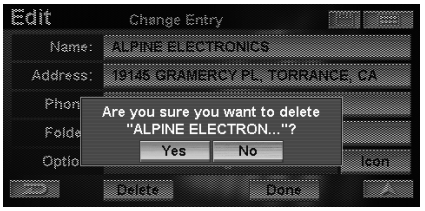
Delete Address Book Entry

1 **Touch [Delete] on the Change Entry screen.**
*Select (highlight) "**Delete**" by tilting the joystick and press **ENTER**.*



The confirmation dialog screen appears.

2 **Touch [Yes].**
*Select (highlight) "**Yes**" by tilting the joystick and press **ENTER**.*

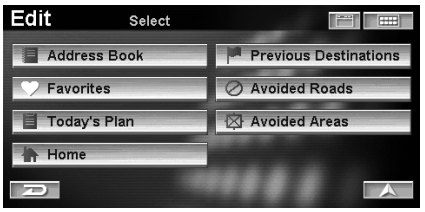


The entry is deleted from Address Book.

Editing the Favorites

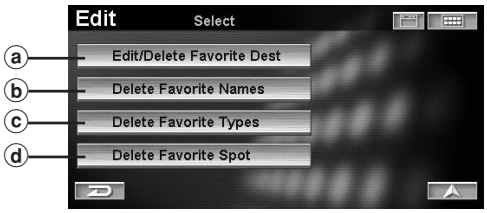
Favorite information stored in a different category such as Destination, Name, Type, Spot can be changed or deleted.

1 **Touch [Favorites] on the edit menu screen.**
*Select (highlight) "**Favorites**" by tilting the joystick and press **ENTER**.*



The Favorites sub-menu is displayed.

2 Touch the desired item.
*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*



ⓐ **Edit/Delete Favorite Dest**
The contents of Favorite Destination registered in Favorite Dest can be changed or deleted. (See “Edit/Delete Favorite Dest” on page 49.)

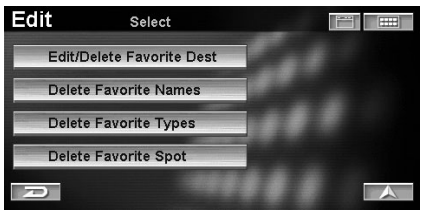
ⓑ **Delete Favorite Names**
A POI Name registered in Favorite Names can be deleted. (See “Delete Favorite Names” on page 50.)

ⓒ **Delete Favorite Types**
A POI Type registered in Favorite Types can be deleted. (See “Delete Favorite Types” on page 50.)

ⓓ **Delete Favorite Spot**
A favorite location registered in Favorite Spots can be deleted. (See “Delete Favorite Spot” on page 51.)

Edit/Delete Favorite Dest

1 Touch [Edit/Delete Favorite Dest] on the Favorites sub-menu screen.
*Select (highlight) “**Edit/Delete Favorite Dest**” by tilting the joystick and press **ENTER**.*

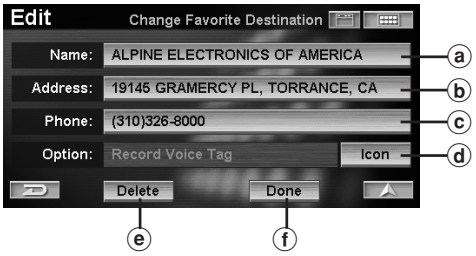


The Select Favorite Destination screen is displayed.

2 Touch the desired favorite destination.
*Select (highlight) the desired favorite destination by tilting the joystick and press **ENTER**.*

The Change Favorite Destination screen is displayed.

3 The following items of Favorite Destination can be changed or deleted.



ⓐ **Name**
The Favorite Destination name can be changed. (See “Name Change” on page 46.)

ⓑ **Address**
The address of Favorite Destination can be changed. (See “Address Change” on page 47.)

ⓒ **Phone**
The phone number of Favorite Destination can be changed. (See “Phone Number Change” on page 47.)

ⓓ **Icon**
The icon displayed on the map can be changed. (See “Icon Change” on page 48.)

ⓔ **Delete**
Favorite Destination can be deleted. (See “Delete Address Book Entry” on page 48.)

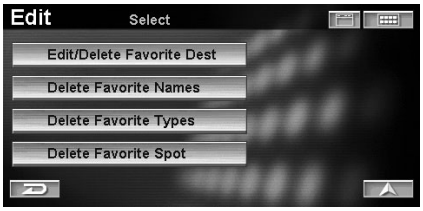
ⓕ **Done**
Save all your Favorite Destination changes. Select Done.

4 When all changes have been completed, touch [Done] to set the change.
*Select (highlight) “**Done**” by tilting the joystick and press **ENTER**.*

Continued

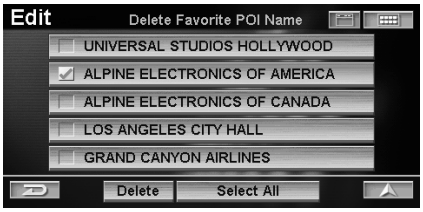
Delete Favorite Names

1 Touch [Delete Favorite Names] on the Favorites sub-menu screen.
*Select (highlight) "**Delete Favorite Names**" by tilting the joystick and press **ENTER**.*



The Delete Favorite POI Name screen is displayed.

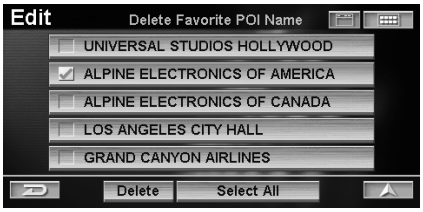
2 Touch the desired favorite POI name.
*Select (highlight) the desired favorite POI name by tilting the joystick and press **ENTER**.*



The selected favorite POI name is checked.

- All favorite POI names can be selected by **[Select All]**.

3 Touch [Delete].
*Select (highlight) "**Delete**" by tilting the joystick and press **ENTER**.*



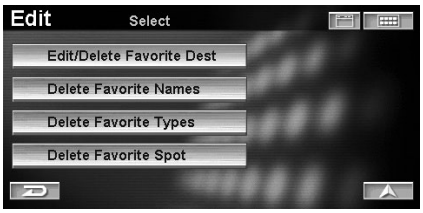
The confirmation dialog screen appears.

4 Touch [Yes].
*Select (highlight) "**Yes**" by tilting the joystick and press **ENTER**.*

The favorite name is deleted.

Delete Favorite Types

1 Touch [Delete Favorite Types] on the Favorites sub-menu screen.
*Select (highlight) "**Delete Favorite Types**" by tilting the joystick and press **ENTER**.*



The Delete Favorite POI Type screen is displayed.

2 Touch the desired favorite POI types.
*Select (highlight) the desired favorite POI types by tilting the joystick and press **ENTER**.*

The favorite POI types are checked.

- All favorite POI types can be selected by **[Select All]**.

3 Touch [Delete].
*Select (highlight) "**Delete**" by tilting the joystick and press **ENTER**.*

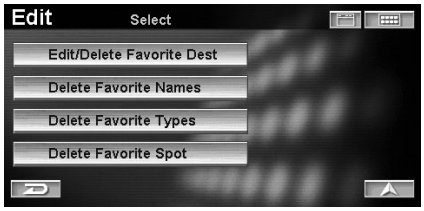
The confirmation dialog screen appears.

4 Touch [Yes].
*Select (highlight) "**Yes**" by tilting the joystick and press **ENTER**.*

The favorite POI types are deleted.

Delete Favorite Spot

1 Touch [Delete Favorite Spot] on the Favorites sub-menu screen.
*Select (highlight) "**Delete Favorite Spot**" by tilting the joystick and press **ENTER**.*



The Delete Favorite Spot screen is displayed.

2 Touch the desired favorite spots.
*Select (highlight) the desired favorite spots by tilting the joystick and press **ENTER**.*

The selected favorite spots are checked.

- All the favorite spots can be selected by **[Select All]**.

3 Touch [Delete].
*Select (highlight) "**Delete**" by tilting the joystick and press **ENTER**.*

The confirmation dialog screen appears.

EN

Continued

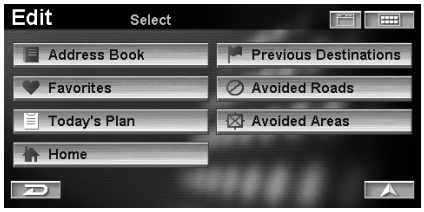
4 **Touch [Yes].**
*Select (highlight) "**Yes**" by tilting the joystick and press **ENTER**.*

The favorite spot is deleted.

Deleting the Today's Plan

If you wish to delete a destination from Today's Plan, you can use this feature.

1 **Touch [Today's Plan] on the edit menu screen.**
*Select (highlight) "**Today's Plan**" by tilting the joystick and press **ENTER**.*



The Delete Today's Plan screen is displayed.

2 **Touch the desired address.**
*Select (highlight) the desired address by tilting the joystick and press **ENTER**.*

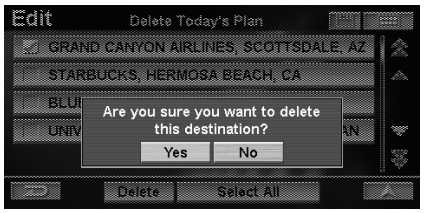
The selected address is checked.

- All addresses can be selected by **[Select All]**.

3 **Touch [Delete].**
*Select (highlight) "**Delete**" by tilting the joystick and press **ENTER**.*

The confirmation dialog screen appears.

4 **Touch [Yes].**
*Select (highlight) "**Yes**" by tilting the joystick and press **ENTER**.*

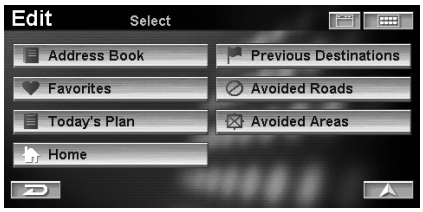


The destinations are deleted from Today's Plan.

Editing the Home

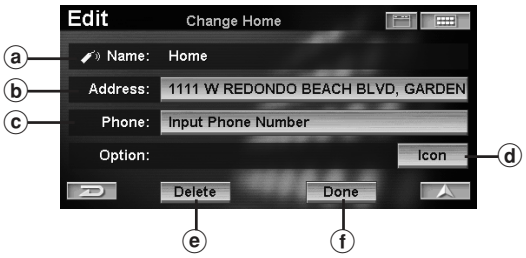
Information registered in home can be changed or deleted.

1 Touch [Home] on the edit menu screen.
*Select (highlight) "**Home**" by tilting the joystick and press **ENTER**.*



The Change Home screen is displayed.

2 Touch the desired item.
*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*



ⓐ **Name**
This cannot be changed.

ⓑ **Address**
Address can be changed. (See "Address Change" on page 47.)

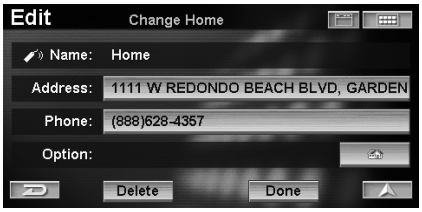
ⓒ **Phone**
Phone number can be changed. (See "Phone Number Change" on page 47.)

ⓓ **Icon**
Icon displayed on the map can be changed. (See "Icon Change" on page 48.)

ⓔ **Delete**
Home address can be deleted. (See "Delete Address Book Entry" on page 48.)

ⓕ **Done**
Save all your Home changes. Select Done.

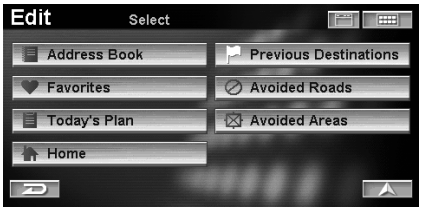
3 When all changes have been completed, touch [Done] to set the changes.
*Select (highlight) "**Done**" by tilting the joystick and press **ENTER**.*



Deleting the Previous Destinations

If you wish to delete a destination from previous destinations, you can use this feature.

1 Touch [Previous Destinations] on the edit menu screen.
*Select (highlight) "**Previous Destinations**" by tilting the joystick and press **ENTER**.*



The Delete Previous Destination screen is displayed.

2 Touch the desired previous destinations.
*Select (highlight) the desired previous destinations by tilting the joystick and press **ENTER**.*

The previously selected destination is checked.

- All previous destinations can be selected by **[Select All]**.

Continued

EN

3 **Touch [Delete].**
*Select (highlight) "**Delete**" by tilting the joystick and press **ENTER**.*

The confirmation dialog screen appears.

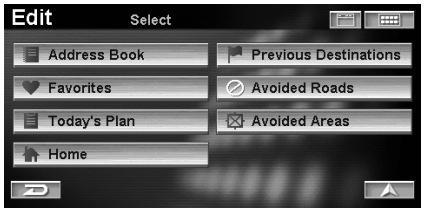
4 **Touch [Yes].**
*Select (highlight) "**Yes**" by tilting the joystick and press **ENTER**.*

The previous destination is deleted.

Editing the Avoided Roads

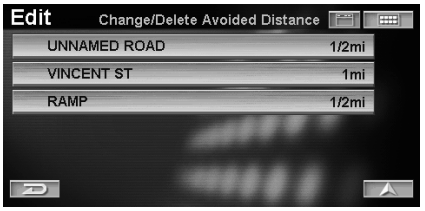
Areas or roads to be avoided can be changed or deleted.

1 **Touch [Avoided Roads] on the edit menu screen.**
*Select (highlight) "**Avoided Roads**" by tilting the joystick and press **ENTER**.*



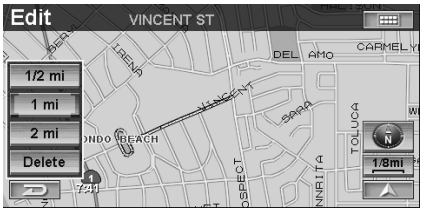
The Change/Delete Avoided Distance screen is displayed.

2 **Touch the desired road to avoid.**
*Select (highlight) the desired road to avoid by tilting the joystick and press **ENTER**.*



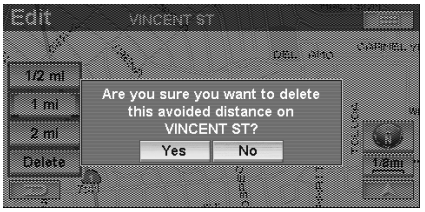
A surrounding map of the area to be avoided and its sub-menu are displayed.

3 **Touch [1/2 mi], [1 mi], [2mi] or [Delete].**
*Select (highlight) "**1/2 mi**", "**1 mi**", "**2mi**" or "**Delete**" by tilting the joystick and press **ENTER**.*



- Select 1/2 mi, 1 mi or 2 mi, as the length of the road to be avoided. The display returns to the Change/Delete Avoided Distance screen.
- If you select Delete, the confirmation dialog screen is displayed. Go to step 4.

4 **Touch [Yes].**
*Select (highlight) "**Yes**" by tilting the joystick and press **ENTER**.*

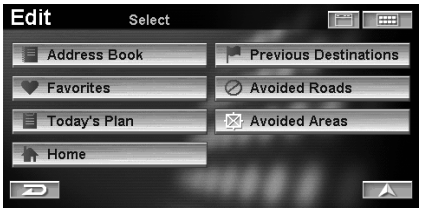


The avoided road is deleted.

Editing the Avoided Areas

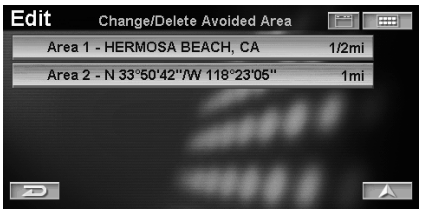
The area to be avoided can be changed or deleted.

1 **Touch [Avoided Areas] on the edit menu screen.**
*Select (highlight) "**Avoided Areas**" by tilting the joystick and press **ENTER**.*



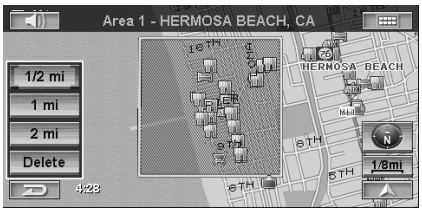
The Change/Delete Avoided Area screen is displayed.

2 **Touch the desired avoid area.**
*Select (highlight) the desired avoid area by tilting the joystick and press **ENTER**.*



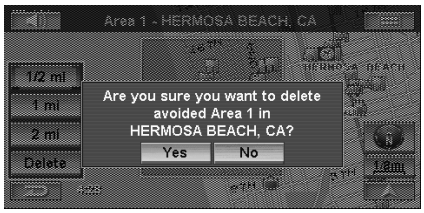
A surrounding map of the area to be avoided and its sub-menu are displayed. The current avoided area is highlighted on the map.

3 **Touch [1/2 mi], [1 mi], [2mi] or [Delete].**
*Select (highlight) "**1/2 mi**", "**1 mi**", "**2mi**" or "**Delete**" by tilting the joystick and press **ENTER**.*



- Select 1/2 mi, 1 mi or 2 mi, as the area to be avoided. The display returns to the Change/Delete Avoided Area screen.
- If you select Delete, the confirmation dialog screen is displayed. Go to step 4.

4 **Touch [Yes].**
*Select (highlight) "**Yes**" by tilting the joystick and press **ENTER**.*



The avoided area is deleted.

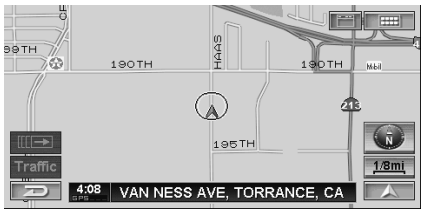
EN

Information Features

Displaying the Information Menu Screen

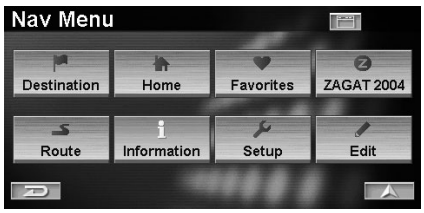
You can view various information provided by the navigation system.

1 Touch [⌨].
*Press **MENU**.*



The Nav Menu screen is displayed.

2 Touch [Information].
*Select (highlight) "**Information**" by tilting the joystick and press **ENTER**.*



The Information menu is displayed.

Information items are described as follows.

- Traffic Incident List*
- Trip Information (see page 56)
- Weather Forecast*
- System Information (see page 57)
- Satellite Information (see page 57)
- Navigation Simulation (see page 58)
- Calendar (see page 58)
- Calculator (see page 59)

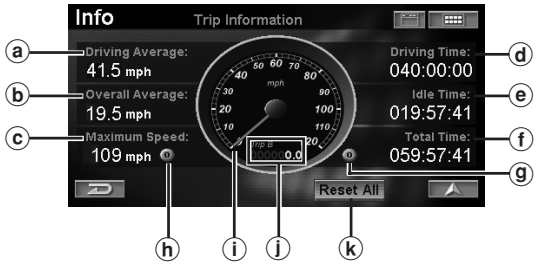
* Traffic Information is available only when the Receiver HCE-100XM (sold separately) or SIRIUS Data Receiver (sold separately) is connected.
For details, refer to the Owner's Manual of the Data Receiver.

Trip Information

The system displays the following information: Average Speed, Overall Speed, Maximum Speed, Driving Time, Idle Time, Total Time, Odometer and Current Speed.

1 Touch [Trip Information] on the Information menu screen.
*Select (highlight) "**Trip Information**" by tilting the joystick and press **ENTER**.*

2 The Trip Information screen is displayed.



ⓐ **Average Speed**
The average driving speed while the vehicle has been in motion since Trip information was reset.

ⓑ **Overall Speed**
The average travelling speed since the beginning of the trip, including idle time.

ⓒ **Maximum Speed**
The maximum speed the vehicle has reached during the trip. Can be independently reset from all the other readings.

ⓓ **Driving Time**
Total time the vehicle has been moving since the trip was reset.

ⓔ **Idle Time**
Total time the vehicle is idle (not moving).

ⓕ **Total Time**
Total elapsed time of the trip, i.e., driving time plus idle time.

ⓖ **Odometer button**
The total distance in the odometer changes to the distance of trip A or trip B. While displaying the distance of trip A or trip B, touch and hold the odometer button for at least 3 seconds or press and hold ENTER to reset the odometer.

ⓗ **Maximum Speed Reset button**
Press or touch to reset Maximum Speed.

ⓘ **Current Speed**
The current speed is displayed by the analog speedometer.

ⓙ **Odometer**
Total distance travelled since the odometer was last reset.

ⓚ **Reset All**
Resets all values to zero, including the odometer (Total, Trip A and Trip B).

System Information

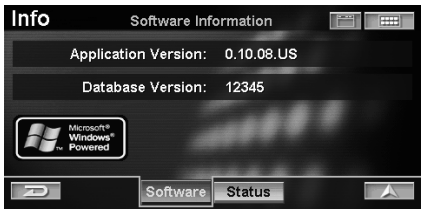
The DVD-ROM's version and the system status information are viewable. Make note of this information and refer to it whenever you contact Alpine Tech Support or an Alpine-authorized dealer.

1 Touch [System Information] on the Information menu screen.
*Select (highlight) "**System Information**" by tilting the joystick and press **ENTER**.*

The Software Information screen is displayed.

2 Touch [Status] to display the System Status screen.
*Press **ENTER**.*

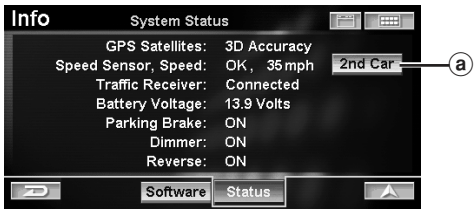
Software Information



Touch [Status]
*Press **ENTER***

Touch [Software]
*Press **ENTER***

System Status



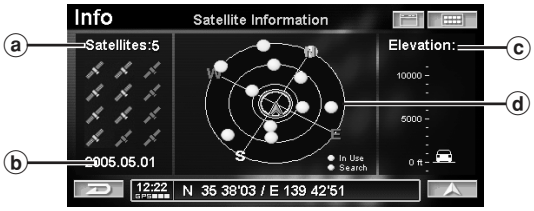
ⓐ **2nd Car**
Select this when you use the NVE-N872 navigation system in a second vehicle. It provides the user with a means to recalibrate the speed sensor information once the navigation system has been installed in the second vehicle. The user will have to drive for a while for recalibration to be completed.

Satellite Information

The navigation system allows you to view dynamic location information received from GPS satellites.
This feature is very useful for off-road users in establishing a starting point before trekking.

1 Touch [Satellite Information] on the Information menu screen.
*Select (highlight) "**Satellite Information**" by tilting the joystick and press **ENTER**.*

The Satellite Information screen is displayed.



ⓐ **Number of satellites received**
Number of satellites received can be up to 12.

ⓑ **Today's date**

ⓒ **Elevation**
Elevation is based on GPS elevation. Car icon moves as elevation changes.

ⓓ **Satellites received**
Satellites from which you are receiving are displayed green. Yellow indicates that your position is being calculated.

EN

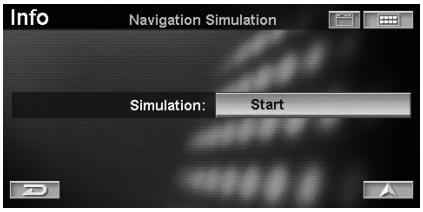
Navigation Simulation

You can watch a demonstration of the navigation system's voice and screen guidance by using this function. The vehicle position icon will automatically move along the desired route showing a simulation of how the navigation system functions.
Use this function only while the car is parked.

1 Touch [Navigation Simulation] on the Information menu screen.
*Select (highlight) "**Navigation Simulation**" by tilting the joystick and press **ENTER**.*

The Navigation Simulation screen is displayed.

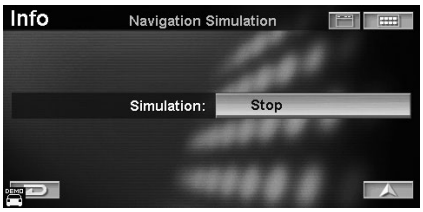
2 Touch [Start], then [▲].
*Select (highlight) "**Start**" by tilting the joystick and press **ENTER**. Select (highlight) "▲" by tilting the joystick and press **ENTER**.*



The drive simulation for the current route begins.

- When the drive simulation is activated, a DEMO icon is displayed on the lower left side of the screen.
- When the drive simulation is activated, the map scale and direction can be changed.
- The drive simulation can be activated only when a destination has already been set.
- If the system detects that the vehicle is moving, simulation mode will be stopped.

3 Touch [Stop] to finish the drive simulation.
*Select (highlight) "**Stop**" by tilting the joystick and press **ENTER**.*



Calendar

You can use the calendar.

1 Touch [Calendar] on the Information menu screen.
*Select (highlight) "**Calendar**" by tilting the joystick and press **ENTER**.*

Calendar screen is displayed with today's date highlighted.

2 Touch [◄] or [►] to change the displayed month.
Tilt the joystick to the left or right.

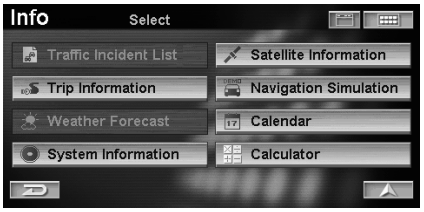
- Touch [◄] or tilt the joystick to the left: The previous month is displayed.
- Touch [►] or tilt the joystick to the right: The following month is displayed.

Calculator

You can use the calculator.

1 Touch [Calculator] on the Information menu screen.

*Select (highlight) "**Calculator**" by tilting the joystick and press **ENTER**.*



The Calculator screen is displayed.

2 Touch the screen or use the joystick to calculate.

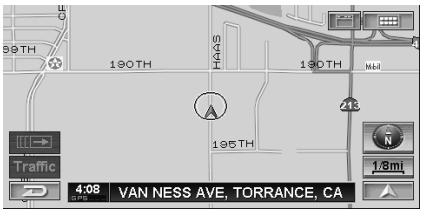
- If a value is stored in memory, a small "M" icon is indicated.

EN

Setup

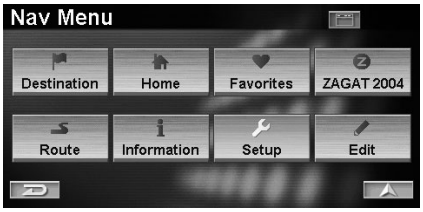
Displaying the Setup Menu Screen

1 **Touch [⌨].**
*Press **MENU**.*



The Nav Menu screen is displayed.

2 **Touch [Setup].**
*Select (highlight) "**Setup**" by tilting the joystick and press **ENTER**.*



The Setup menu is displayed.

Setup items are described as follows.

- Map Display (see page 60)
- Map Features (see page 61)
- Guidance (see page 64)
- Calibration (see page 65)
- Clock (see page 66)
- Traffic Information*
- Language / Units (see page 67)
- Others (see page 68)

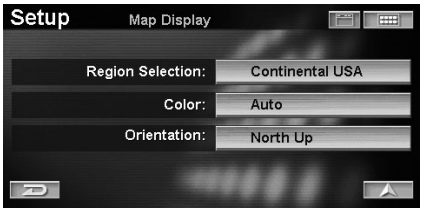
* Traffic Information is available only when the Receiver HCE-100XM (sold separately) or SIRIUS Data Receiver (sold separately) is connected.
For details, refer to the Owner's Manual of the Data Receiver.

Map Display

1 **Touch [Map Display] on the Setup menu screen.**
*Select (highlight) "**Map Display**" by tilting the joystick and press **ENTER**.*

The Map Display screen is displayed.

2 **Touch the desired item.**
*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*



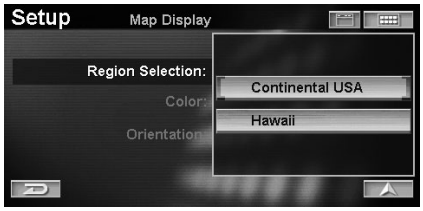
Setting items:
Region Selection / Color / Orientation

3 **Touch the desired Item to change its setting.**
*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*

Region Selection

Two discs (a North and South version) are available for use. If the South version disc is used, the region to be used must be set.

Setting item: Region Selection
Setting content: Continental USA (Initial setting)/Hawaii



If you change regions, the confirmation screen is displayed.

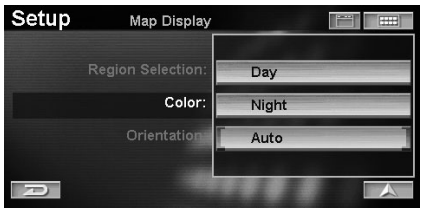
If you touch [Yes], the region is changed and the opening screen is displayed.
*Select (highlight) "**Yes**" by tilting the joystick and press **ENTER**.*

- If the North Version disc is used, the region is fixed as Canada and North America and cannot be changed.

Color

The system allows you to set the display's map color. For most drivers, a dark tone screen is preferred when driving at night. The system can be set to automatically switch to dark tone screen when headlights are turned on.

Setting item: Color (Map Color)
Setting content: Day / Night / Auto (Initial setting)

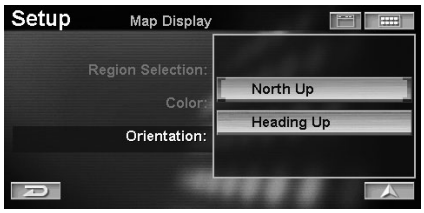


Day: DAY mode maintains a bright tone screen even while your headlights are on.
Night: NIGHT mode maintains a dark tone screen even when your headlights are off.
Auto: AUTO mode switches automatically between Day and Night screen color when your head lamps are turned on and off.

Orientation

You can set your most frequently used map orientation.

Setting item: Orientation (Map Orientation)
Setting content: North Up (Initial setting) / Heading Up



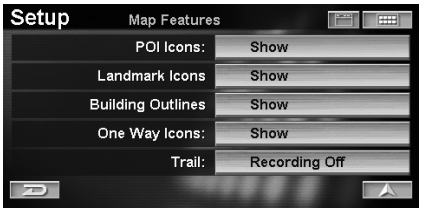
North up: Displays the map with north always at the top of the screen. The vehicle position icon rotates depending on the driving direction.
Heading up: Displays the map with the vehicle position icon always pointed to the top of the screen. The map screen rotates depending on the driving direction.

Map Features

1 Touch [Map Features] on the Setup menu screen.
*Select (highlight) "**Map Features**" by tilting the joystick and press **ENTER**.*

The Map Features screen is displayed.

2 Touch the desired item.
*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*



Setting items:
POI Icons / Landmark Icons / Building Outlines / One Way Icons / Trail

Continued

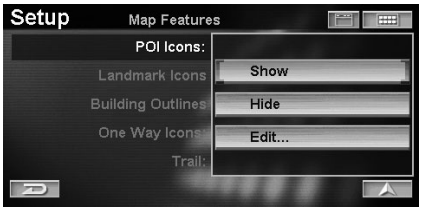
EN

3 Touch the desired Item to change its setting.
*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*

POI Icons

The system can display icons on the map for points of interest such as gas/fuel stations, restaurants, parking lots, etc.

Setting item: POI Icons
Setting content: Show (Initial setting) / Hide



Show: The selected POI icon is displayed on the map screen. Select the Edit menu to display the POI icon.
Hide: Clear the POI icon from the map screen.

"Show" is set, select the POI icon to be displayed.

1 Touch **[Edit...]** to display the Select Place Type screen.
*Select (highlight) "**Edit…**" by tilting the joystick and press **ENTER**.*

2 Touch the desired place type.
*Select (highlight) the place type by tilting the joystick and press **ENTER**.*

- The selected place type is checked and the POI icon lights up at the same time.
- If "Restaurant" is selected, you can select food type.

3 Touch **[Done]**.
*Select (highlight) "**Done**" by tilting the joystick and press **ENTER**.*

- If "Default" is selected, GAS/FUEL STATIONS (initial setting) can be displayed.

POI Icons

Icon	Legend
	GAS/FUEL STATIONS*
	RESTAURANTS
	PARKING GARAGES
	PARKING LOTS
	ATMS
	BANKS
	CONVENIENCE STORES
	GROCERY STORES
	FREEWAY EXITS
	HOTEL & MOTELS
	BED AND BREAKFAST
	POST OFFICES
	HOSPITALS
	SCHOOLS

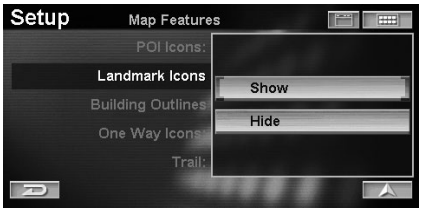
* Brand icons for the following eight gas companies selected from GAS/FUEL STATION are displayed.

Icon	Company's name
	Amoco
	BP
	Chevron
	Exxon
	Mobil
	Shell
	Texaco
	Union76

Landmark Icons

The system can display on the map the landmark icons.

Setting item: Landmark Icons
Setting content: Show (Initial setting) / Hide



Show: Display Landmark icons on the map screen.
Hide: Clear Landmark icons from the map screen.

- For details on Landmark Icons, see “How to View a Current Display” on page 12.

Building Outlines

The system can display on the map the building outlines.

Setting item: Building Outlines
Setting content: Show (Initial setting) / Hide

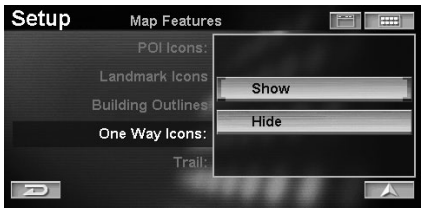
Show: Display building outlines on the map screen.
Hide: Clear building outlines from the map screen.

- For details on building outlines, see “How to View a Current Display” on page 12.

One Way Icons

The system can display on the map the one way icons.

Setting item: One Way Icons
Setting content: Show (Initial setting) / Hide



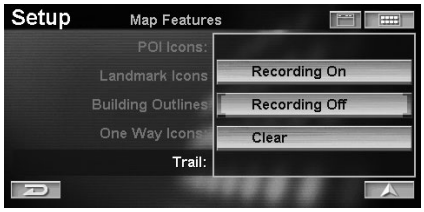
Show: Display One Way Icons on the map screen.
Hide: Clear One Way Icons from the map screen.

- The one way icons can be displayed on the map when map scale is 1/16 mile (100 m) or less.

Trail

A trail of dots showing where you have driven in the last 150 miles can be displayed on the map screen for easy location of previously travelled roads.

Setting item: Trail (Recorded trail dots)
Setting content: Recording On /
Recording Off (Initial setting)



Recording On: Trail dots are recorded and displayed on the map screen.
Recording Off: Trail dots are not recorded.

- Select “Clear” to clear Recorded Trail dots displayed on the map screen.

Guidance

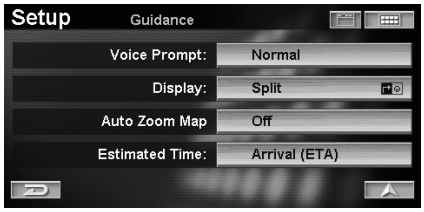
1 Touch [Guidance] on the Setup menu screen.

*Select (highlight) "**Guidance**" by tilting the joystick and press **ENTER**.*

The Guidance screen is displayed.

2 Touch the desired item.

*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*



Setting items:

Voice Prompt / Display / Auto Zoom Map / Estimated Time

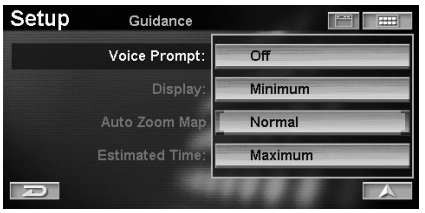
3 Touch the desired Item to change its setting.

*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*

Voice Prompt

The system allows you to choose the type or frequency of audible prompts you receive as you are guided along your route.

Setting item: Voice Prompt
Setting content: Off / Minimum / Normal (Initial setting)/ Maximum



- If you select Off, you are not guided with voice prompt.
- "Maximum" setting includes voice guidance for street names using the TTS (Text to speech) Engine. (ie. "Left turn on Gramercy Place").

Display

During route guidance, you can select the map display type.

Setting item: Display
Setting content: Arrow / Map / Split (Initial setting) / Hybrid

Arrow: Your route is guided along by the Arrow Route Guidance Display.
Map: Your route is guided along by the Map Route Guidance Display.
Split: Your route is guided by a dual-screen display, comprising of both Map Route Guidance and Arrow Route Guidance.
Hybrid: Your route is guided by using the display transition you chose in the Hybrid menu.

Hybrid Display Type

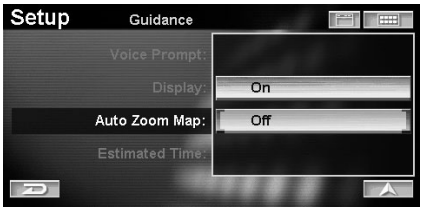
Current Display	Next Display
Arrow	Map
Map	Arrow
Arrow	Split
Map	Split

- For details on each display, see "Changing the route guidance display" on page 38.
- "Next Display" is shown when approaching the intersection.

Auto Zoom Map

You can set whether to display the zoom map or not when approaching a maneuver point.

Setting item: Auto Zoom Map
Setting content: On / Off (Initial setting)

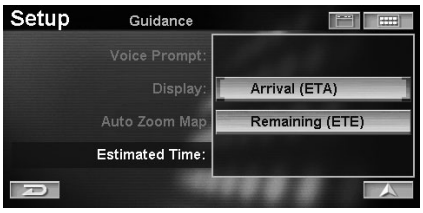


On: Zoom level is automatically adjusted depending on distance to maneuver.
Off: Zoom level does not change.

Estimated Time

When the system calculates a route, it also estimates the time it will take to the destination. Arrival (ETA) is displayed in the time of the destination time zone (PST or EST,etc.), or Remaining (ETE) is displayed as "to go."

Setting item: Estimated Time
Setting content: Arrival (ETA) (Initial setting) / Remaining (ETE)



Arrival (ETA): Arrival (ETA) is displayed in the time of the destination time zone (PST or EST, etc.).
Remaining (ETE): Remaining (ETE) is displayed as "to go."

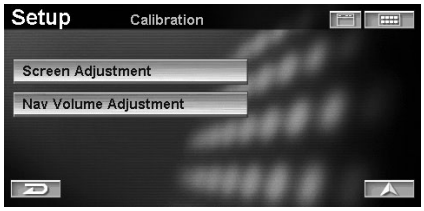
- The time estimates are based on the average speed of the vehicle. The Estimated Time will vary accordingly, as the vehicles speed varies.

Calibration

1 Touch [Calibration] on the Setup menu screen.
*Select (highlight) "**Calibration**" by tilting the joystick and press **ENTER**.*

The Calibration screen is displayed.

2 Touch the desired item.
*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*



Setting items:
Screen Adjustment / Nav Volume Adjustment

3 Touch the desired Item to change its setting.
*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*

Continued

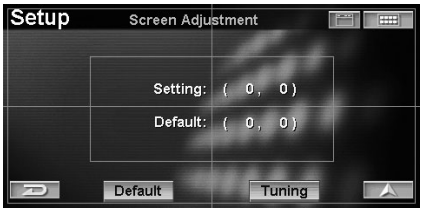
EN

Screen Adjustment

The navigation screen will appear out of position when connected to some displays. The image position can be optimized for a particular monitor being used with the system.

Setting item: Screen Adjustment
Setting content: -10 to +10 (horizontal)
-5 to +5 (vertical)

1 Touch **[Tuning]** to display the Screen Adjustment screen.
*Select (highlight) "**Tuning**" by tilting the joystick and press **ENTER**.*



2 Touch **[▲]**, **[▼]**, **[◄]** or **[►]** to adjust the display position.
Adjust the display position by tilting the joystick.

3 Touch **[Set]**.
*Select (highlight) "**Set**" by tilting the joystick and press **ENTER**.*

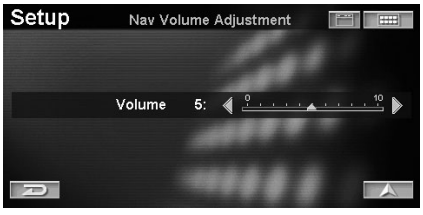
- Select "Default" to return to the initial setting.

Nav Volume Adjustment

The volume of the tones and voice is adjusted in 11 steps.

Setting item: Nav Volume Adjustment
Setting content: 0 to 10 (Initial setting: 5)

1 Touch **[◄]** or **[►]** to adjust volume.
Adjusting the volume by tilting the joystick.

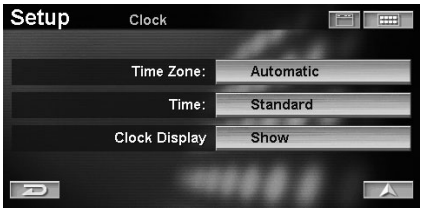


Clock

1 Touch [Clock] on the Setup menu screen.
*Select (highlight) "**Clock**" by tilting the joystick and press **ENTER**.*

The Clock screen is displayed.

2 Touch the desired item.
*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*



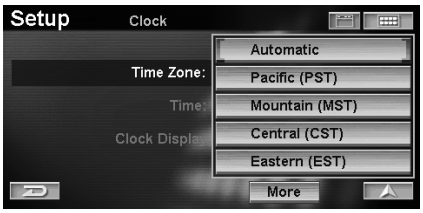
Setting items:
Time Zone / Time / Clock Display

3 Touch the desired Item to change its setting.
*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*

Time Zone

Set a time zone selection to display approximate time.

Setting item: Time Zone
Setting content: Automatic (Initial setting) / Pacific (PST) / Mountain (MST) / Central (CST)/ Eastern (EST)

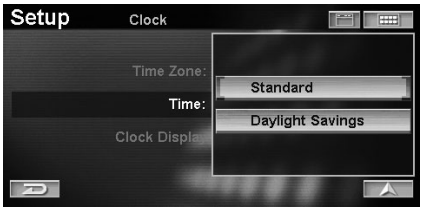


- The “More” button allows you to choose Newfoundland (NST), Atlantic (AST) or Alaska (AKST) timezones.

Time

Select standard or Daylight Savings time.

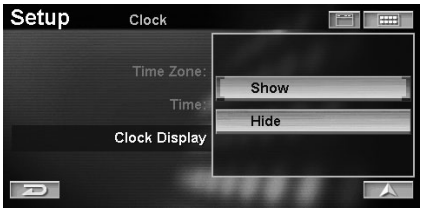
Setting item: Time
Setting content: Standard (Initial setting) / Daylight Savings



Clock Display

Set for the current GPS time is displayed or not on the map screen.

Setting item: Clock Display
Setting content: Show (Initial setting) / Hide



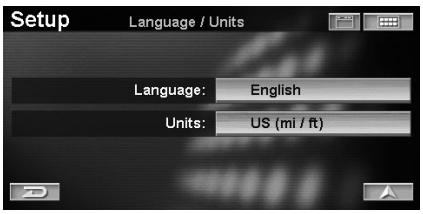
Show: Current time is displayed on the map screen.
Hide: Current time is cleared from the map screen.

Language / Units

1 Touch [Language/Units] on the Setup menu screen.
*Select (highlight) “**Language/Units**” by tilting the joystick and press **ENTER**.*

The Language/Units screen is displayed.

2 Touch the desired item.
*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*



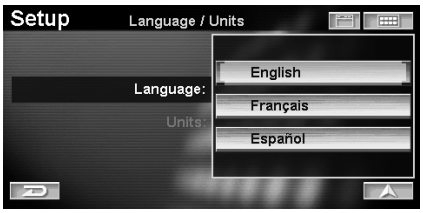
Setting items:
Language/Units

3 Touch the desired Item to change its setting.
*Select (highlight) the desired item by tilting the joystick and press **ENTER.***

Language

You can select the language for menu and voice guidance.

Setting item: Language
Setting content: English (Initial setting) / Français / Español



- If you select a language other than the current one, a disclaimer appears on the screen. Touch or press ENTER.

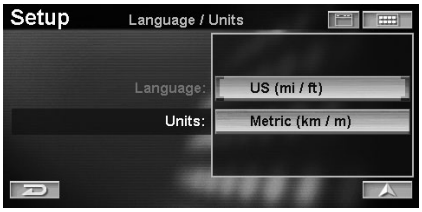
Continued

EN

Units (mile/ft or km/m)

Allows you to select the units for the entire system (mile or km).

Setting item: Units
Setting content: US (mi/ft) (Initial setting) / Metric (km/m)

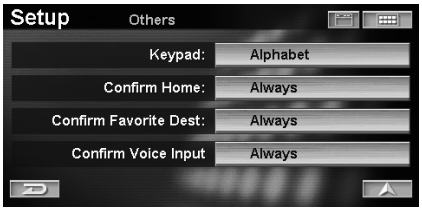


Others

1 Touch [Others] on the Setup menu screen.
*Select (highlight) "**Others**" by tilting the joystick and press **ENTER**.*

The Others screen is displayed.

2 Touch the desired item.
*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*



Setting items:
Keypad / Confirm Home / Confirm Favorite Dest / Confirm Voice Input

3 Touch the desired Item to change its setting.
*Select (highlight) the desired item by tilting the joystick and press **ENTER**.*

Keypad

Allows you to select the displayed keypad screen: Alphabet or QWERTY.

Setting item: Keypad
Setting content: Alphabet (Initial setting) / QWERTY

Confirm Home

If you set your home as the destination, you can set whether to confirm a route in the Destination screen.

Setting item: Confirm Home
Setting content: Always (Initial setting) / Never

Always: Confirm your route home in the Confirm Destination screen.
Never: Calculate your route home without displaying the Confirm Destination screen.

Confirm Favorite Dest

If the destination you set exists in Favorites, you can set whether to confirm the destination or not in the Confirm Destination screen.

Setting item: Confirm Favorite Dest
Setting content: Always (Initial setting) / Never

Always: Confirm the destination in the Confirm Destination screen.
Never: Calculates your route without showing the Confirm Destination screen.

Confirm Voice Input

You can confirm whether the system has recognized the command you spoke by using the voice recognition.

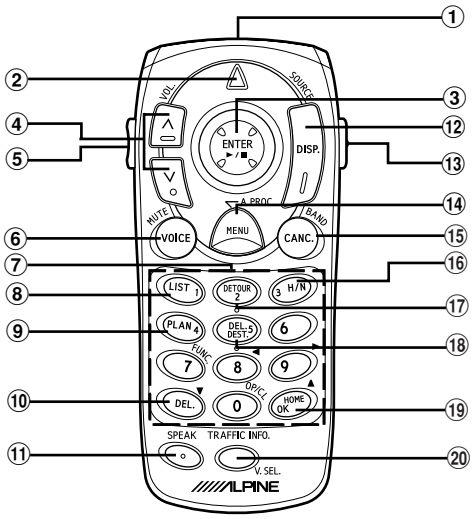
Setting item: Confirm Voice Input
Setting content: Always / Never (Initial setting)

Always: The command you spoke is always repeated.
Never: The command you spoke is never repeated.

Reference

Buttons and Functions of Remote Control (RUE-4140)

Names of the Parts



① **Remote Control transmitter**
Transmits the remote control signals. Aim toward the display monitor for operation.

② **Status indicator**
Illuminates when the remote is transmitting.

③ **Joystick/ENTER button**
Selects highlighted items in menus and moves map displays and vehicle position icon. Tilt this to scroll the map. Press the ENTER button to select any highlighted function, screen icon or street segment.

④ **Zoom/Scroll buttons**
Changes map magnification ratio upward or downward in 12 steps.
mile: 1/32, 1/16, 1/8, 1/4, 1/2, 1, 2, 5, 15, 50, 150, 350
m: 50, 100, 200, 400 m, 1, 2, 4, 10, 30, 100, 250, 600 km
Changes map magnification ratio smoothly by pressing and holding either button.
In menu scrolls the page if the list is more than 2 pages.

⑤ **AUDIO/NAV. button**
Switches between Audio and Navigation operations. Pressing this button illuminates the keys on the remote control.

⑥ **VOICE button**
Initiates vocal instruction for next route maneuver or repeats last instruction.

⑦ **Numeric Keypad**
Use these buttons to enter phone numbers, address numbers or street names containing numbers (i.e., 42nd St.). Works in conjunction with the MODE button.

⑧ **LIST button**
Displays list of the streets currently set for the route. To return to the guidance mode, press the DISP button.

⑨ **PLAN button**
Allows you to advance to the next destination in Today's Plan list.

⑩ **DEL. button**
Deletes the character previously input. Works in conjunction with the MODE button.

⑪ **SPEAK button**
Press the button to operate the navigation using Voice Commands.

⑫ **DISP. button**
When setting the route, switches the map and guidance display. If in a menu, displays the map.

⑬ **MODE button**
Press this button to input numerals using the numeric keypad. The numerals can be input while the status indicator blinks.

⑭ **MENU button**
Displays the Nav Menu screen.

⑮ **CANC. button**
Cancels current display screen and switches back to previous screen with menus.

⑯ **H/N button**
Toggles between Heading Up and North Up orientation.

⑰ **DETOUR button**
Allows user to select detouring distance or avoid traffic congestion.

⑱ **DEL. DEST. button**
Deletes current destination.

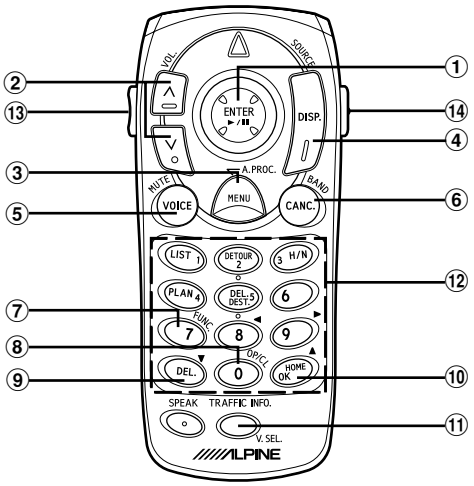
⑲ **HOME button**
Calculates route to Home destination.
OK button
Executes numeral inputting. Works in conjunction with the MODE button.

⑳ **TRAFFIC INFO. button**
Traffic information list is displayed.

- If an operation is not accepted, the navigation system beeps.
- The Alpine head unit can be operated with the remote control.
  For details, refer to pages 71 and 72.
- After pressing the MODE button, press the following buttons while the status indicator is blinking : numerals (0 to 9), DEL. and OK.
- Due to continuous product improvement, specifications are subject to change.

Remote Control Reference Guide for Head Unit

When you use an Alpine Head Unit, you can operate it with the remote control (supplied with NVE-N872A). Change the AUDIO/NAV. Switch, on the side of the remote control, to AUDIO.



① **▶/II**
Push : PLAY/PAUSE
Radio mode: Preset Selection (⬆/⬇), SEEK UP/DOWN (⬅/➡)
CD/MD Player/Changer mode: Disc Selection (⬆/⬇), Music Sensor (⬅/➡), BW/FF (⬅/➡ Hold)
Tape Mode: Program Sensor (⬆/⬇), REW/FF (⬅/➡ Hold)

② **VOL.**
Volume Control

③ **A.PROC.**
Audio Processor

④ **SOURCE**
Source Selection

⑤ **MUTE**
Audio Mute

⑥ **BAND**
Radio Band Selection

⑦ **FUNC.**
Not Used

⑧ **OP/CL**
Not Used

⑨ **▼**
Display Angle DOWN (MODE button must be pressed first.)

⑩ **▲**
Display Angle UP (MODE button must be pressed first.)

⑪ **V.SEL.**
Not Used

⑫ **Numeric Keypad**
Not Used

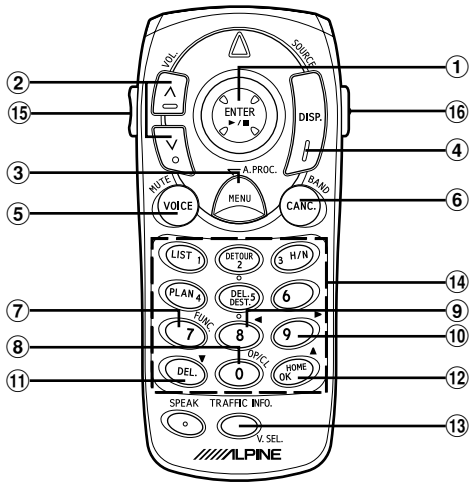
⑬ **AUDIO/NAV.**
Switching AUDIO/NAV.

⑭ **MODE**
Operates ⑨ to ⑩ (Flashes the Status Indicator for 5 seconds.)

EN

Remote Control Reference Guide for AV Head Unit

When you use the Alpine head unit with the monitor, you can operate the AV head unit with the remote control (supplied with NVE-N872A). Change the AUDIO/NAV. Switch, on the side of the remote control, to AUDIO.



① **▶/II**
Push:
PLAY/PAUSE (IVA-D310/IVA-D300/IVA-D901/IVA-D900/CVA-1014/CVA-1004/CVA-1003)
Push: Changes the modes as follows:
Volume/Bass/Treble/Fader
(CVA-1005/CVA-1006/IVA-C800/IVA-C801)
Push hold: PLAY/PAUSE
(CVA-1005/CVA-1006/IVA-C800/IVA-C801)
Radio mode:
Preset Selection (⬆/⬇), SEEK UP/DOWN (⬅/➡)
CD/MD Player/Changer mode:
Disc Selection (⬆/⬇), Music Sensor (⬅/➡), BW/FF (⬅/➡ Hold)
Tape Mode:
Program Sensor (⬆/⬇), REW/FF (⬅/➡ Hold)

② **VOL.**
Volume Control

③ **A.PROC.**
Audio Processor

④ **SOURCE**
Source Selection

⑤ **MUTE**
Audio Mute

⑥ **BAND**
Radio Band Selection

⑦ **FUNC.**
This function button has the same function as the following models:
CVA-1003/CVA-1005/CVA-1006/IVA-C800/IVA-C801.

⑧ **OP/CL**
Indash Display OPEN/CLOSE (only pressing MODE button)

⑨ ◀
Indash Display Angle LEFT(only pressing MODE button)

⑩ ▶
Indash Display Angle RIGHT(only pressing MODE button)

⑪ ▼
Indash Display Angle DOWN(only pressing MODE button)

⑫ ▲
Indash Display Angle UP(only pressing MODE button)

⑬ **V.SEL.**
Switching V.SEL

⑭ **Numeric Keypad**
This numeric keypad has the same function of the preset buttons (1 to 6) as the following models: CVA-1003/CVA-1005/CVA-1006/IVA-C800/IVA-C801.

⑮ **AUDIO/NAV.**
Switching AUDIO/NAV. Switch to AUDIO side.

⑯ **MODE**
Operates ⑧ to ⑫ (Flashes the Status Indicator for 5 seconds.)

Voice Recognition

About Speak Button

The Speak button is used for voice navigation. Press the button to activate the voice operation mode.

For Voice Recognition to Operate Correctly

Voice navigation may not operate correctly, depending on the situation in which it is used.
For voice recognition to operate correctly, make sure that you read the following provisions.

Mount the microphone in a suitable location.
Mount the microphone where the driver's voice can be picked up clearly. Adjust the distance between microphone and the driver's position so that the driver has no difficulty speaking into the microphone. For installation details, refer to the supplied Installation Manual.

Lower the volume of the car audio.
To ensure your voice is recognized, reduce the car audio volume (radio, etc.) as necessary.

Close the windows.
Make sure all windows are closed during voice operation as ambient, engine or wind noise may interfere with recognition.

Speak clearly.
Speak directly into the microphone, at suitable pace, avoiding long pauses.

Only use the specified voice commands.
The system only recognizes these commands.
Also, make sure you use the correct pronunciation.

Do not converse when speaking a voice command.
Your voice may not be recognized if you mix regular conversation with voice commands.

Maintain a natural driving posture while speaking voice commands, so that you can hold the steering wheel in the usual way, without the need to lean in towards the microphone to speak.

Any accent in your voice may not be recognized.
Therefore, always speak the commands clearly.

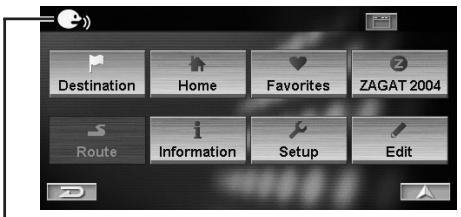
- If the IN-INT cable (supplied with the Alpine head unit) is connected, volume is automatically lowered by the mute cable connection.
  For connection, refer to the extra Installation Manual.
- If your voice is not recognized, change the location of the microphone. Your voice recognition may be improved.
- Voice guidance announcements will be interrupted during voice operation.

Using the Voice Control System

Most of the system's functions can be controlled by voice commands. The voice control system is activated with the SPEAK button. To control your navigation system by voice, press and release the SPEAK button, wait for the beep, then give a voice command. Once the microphone picks up your command, the system changes the display in response to the command and prompts you for the next command. Using the SPEAK button, answer the prompt as required.

1 Press the SPEAK button.
A sound beeps, and the voice icon is displayed for 2 seconds on the screen.

2 When the voice icon is displayed, say the desired voice command into the microphone.
The system changes the display in response to the command and prompts you for the next command.



Voice Icon

3 Perform operations in steps 1 and 2 repeatedly.

- The spoken commands are mostly the same as the phrases displayed on the screen. For those that are not, see "Voice Command Index" (pages 74 and 75).
- If you do not know which voice command to use, use the help function, see "Using the Help Command of the Voice Control System" (page 74).
- If the system does not understand a command or you wait too long to give a command, it responds with "Pardon me." If the system cannot perform a command or the command is not appropriate for the screen you are on, it sounds a beep.

EN

Using the Help Command of the Voice Control System

For voice commands of the voice recognition control, see “Voice Command Index” (pages 74 and 75). If you do not know which voice command to use, you can use the Help Command function. Then, search the desired voice command.

1 Press the SPEAK button and say “Help.”
The Voice Command List screen is displayed.

2 To listen to the available voice commands, press the SPEAK button and say “Read.”

(Help command screen example when Nav Menu is displayed.)

The voice command is read.

- To scroll the list of Voice Commands say “Page up” or “Page down.”

3 To stop reading the command list, press the SPEAK button and say “Stop.”

- When the Voice Command is complete, the system will automatically stop reading.

4 Press the SPEAK button and say “Done”, “Cancel” or “(Go) Back.”
The Voice Command List screen closes.

- The Voice Command List can be controlled by touch or remote control operation.

Voice Command Index

The NVE-N872 navigation or Alpine touch panel-compatible monitor IVA-D310 is controllable by voice recognition operation. When you use voice recognition operation, most phrases displayed on the screen are the actual voice commands you say to perform the operation. The following explains the representative voice commands that are not displayed on the screen.

- If you do not know which voice command to use, use the Help function, see “Using the Help Command of the Voice Control System” (page 74).

Navigation Operation

■ Go back one step
“Cancel”
“(Go) Back”

■ Help Command
“(Voice) (Command) Help”

■ Respond to the Command of the System
“Yes”
“No”

■ Repeat Voice Command of the System
“Repeat (Voice) Feedback”

■ Displaying Map
“Show Map (Display)”

■ Changing the Map Scale
“Zoom In”
“Zoom Out”
“Zoom to ## miles” (# is Map scale)
“Zoom to ## meters” (# is Map scale)
“Max Zoom In”
“Max Zoom Out”

■ Changing the Orientation of the Map
“North Up”
“Heading Up”

■ Confirm the Current Vehicle Position
“Where am I ?”

■ POI Icons
“Show ##### Icons” (# is icon name)
“Hide ##### Icons” (# is icon name)

■ Displaying the Nav Menu Screen
“(Nav) Menu”

■ Entering a destination by Home
“Go home”

■ To register your current location as Previous Destination
“Save current location”

■ Changing the route guidance display
“Show Split (Display)”
“(Show) Split Display”
“Show Arrow (Display)”
“(Show) Arrow Display”

■ Displaying the Traffic Incident List Screen
“Traffic (Information)”

■ Traffic Icons
“Show Traffic Icons”
“Hide Traffic Icons”

Touch panel-compatible monitor IVA-D310 operation

■ Monitor action
"Display Open"
"Display Close"
"Display Flat"

■ Source select
"Media Radio"
"Media Band"
"Media CD"
"Media DVD"
"Media Changer"
"Media TV"
"Media AUX or AUX One (or Two or Three)"
"Media VCR"
"Media GAME One (or Two)"
"Media External DVD"
"Media XM"
"Media iPod"

■ Media action
"Media Skip"
"Media Back"
"Media Repeat"
"Media Play"
"Media Pause"
"Media Mute On"
"Media Mute Off"
"Media Next"
"Media Previous"

■ System feature
"Media VSEL (or Media V select)"

■ Navigation select
"Navigation"

In Case of Difficulty

If you encounter a problem, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

Symptom	Cause	Solution
No operation	Blown fuse	Replace with a fuse of the prescribed rating.
	Ambient temperature over 122°F (50°C)	Lower the temperature in the vehicle below 122°F (50°C), for example by running for a while with the window open or by using the air conditioner.
	Moisture condensation	Allow enough time for the condensation to evaporate (about 1 hour, depending on ambient temperature and humidity).
The present vehicle position cannot be measured correctly.	The vehicle position changed after the ignition was switched off. • Movement on a ferry boat • Rotation of a parking lot turntable • Movement by tow truck	Drive the vehicle in an area of good GPS reception to allow the unit to recalibrate itself.
Vehicle position is displayed incorrectly on the screen.	Poor satellite configuration	Move to a location where GPS satellite reception is easy. (See page 57.)
	Measurement is 2 dimensional.	
Cannot read disc is displayed for a certain operation.	The disc is dirty.	Clean the disc.
	The pickup lens is dirty.	Do not use a commercial available lens cleaner disc. Consult your nearest ALPINE dealer.
Unstable operation	The remote control batteries are wearing out.	Replace the remote control batteries, see NVE-N872A of the Owner's Manual on page 12.

If this Message Appears

Various messages are displayed on the screen during operation. In addition to the messages telling you the current status or providing guidance for the next operation, there are also the following error messages. If one of these error messages is displayed, carefully follow the instructions in the solution column.

Message	Cause	Solution
Please insert DVD-ROM.	• The disc has been removed. • There was no disc in the system when the power was switched on.	Insert the disc.
Error reading DVD-ROM. Please check the disc.	• A disc that this system cannot read has been loaded. • The disc is dirty or upside down. • The disc cannot be read because of condensation.	Take out the disc, check if it was upside down, clean it if necessary, then reinsert it. Take out the disc, allow enough time for the condensation to evaporate (about 1 hour), then reinsert the disc.
If you are driving, please pull over before using this function.	• The MENU button was pressed while the vehicle was running. • A menu selection operation was carried out while the vehicle was running.	Move the vehicle to a safe location, stop, and engage the parking brake, then carry out this operation.
Vehicle is out of Map display region. Please refer to the Owner's Manual.	• The inserted DVD-ROM does not cover the map display region or map display region needs to be changed to the correct region in Setup (if map region exists in Source Disc).	Insert the DVD-ROM that applies to the current map display region. If map region exists in the Source Disc, change Map display region in Setup to the correct region.
Destination is out of Map display region. Route cannot be calculated.	• The destination is outside the map display region and not contained in the inserted DVD-ROM.	Insert the DVD-ROM in which the destination is registered and contained in the map display region.
Temperature is too high. Please allow system to cool down.	• Ambient temperature over 122ºF (50ºC)	Lower the temperature in the vehicle below 122ºF (50ºC), for example by running for a while with the window open or by using the air conditioner.
Update failed. Please check your disc.	• Application error	If the South disc is inserted, replace it with the North disc. The application starts updating.

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Satellite Linked Navigation

NVE-N872A

Guide for Installation and Connections — English

Guide d'installation et de connexion — Français

Guía de instalación y conexiones — Español

PRECAUTIONS

■ GUIDE FOR INSTALLATION AND CONNECTIONS FOR AUTHORIZED ALPINE DEALERS

- Please read this GUIDE FOR INSTALLATION AND CONNECTIONS FOR AUTHORIZED ALPINE DEALERS and the OWNER'S MANUAL thoroughly to familiarize yourself with each control and function. We at ALPINE hope that your new NVE-N872A will give you many years of enjoyment.

In case of problems when installing your unit, please contact your authorized ALPINE dealer.

Points to Observe for Safe Usage

- For safe operation of this system, please read this manual carefully. We cannot be responsible for problems resulting from failure to observe the instructions in this manual.
- Pictorial displays are used to point out safety tips to prevent harm to yourself or others and property damage. Here is what these pictorial displays mean. Knowing them is important to understand this manual.
- **Meaning of displays**

⚠ Warning	This symbol means important instructions. Failure to heed them can result in serious injury or death.
⚠ Caution	This symbol means important instructions. Failure to heed them can result in injury or material property damage.

⚠ Warning

DO NOT DISASSEMBLE OR ALTER.
Doing so may result in an accident, fire or electric shock.

KEEP SMALL OBJECTS SUCH AS BOLTS OR SCREWS OUT OF THE REACH OF CHILDREN.
Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.
Failure to do so may result in fire or electric shock.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.
(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.
Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.
Arrange wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, shift lever, brake pedals, etc. can be extremely hazardous.

DO NOT SPLICE INTO ELECTRICAL CABLES.
Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR SHIFT LEVER.
Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.
When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.
Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

DO NOT INSTALL THE MONITOR NEAR THE PASSENGER SEAT AIR BAG.
If the unit is not installed correctly the air bag may not function correctly and when triggered the air bag may cause the monitor to spring upwards causing an accident and injuries.

MAKE THE CORRECT CONNECTIONS.
Failure to make the proper connections may result in fire or product damage.

DO NOT ALTER HARDWARE USED IN ANY SAFETY-RELATED SYSTEMS DURING INSTALLATION
Never use hardware, utilized to mount critical components in the steering and brake systems or fuel tanks, to make wiring or ground connections. Failure to take such precautions can result in serious damage from fire or vehicle failure.

DO NOT BLOCK VENTS OR RADIATOR PANELS.
Doing so may cause heat to build up inside and may result in fire.

⚠ Caution

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.

Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.

Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

Precautions

IMPORTANT

Please record the serial number of your unit in the space provided on the back cover of Owner's Manual and keep it as a permanent record. The serial number plate is located on the bottom of the unit.

- For installation of the main unit, avoid areas with a high incidence of dust or moisture. Installing the unit in such locations may result in contamination of the DVD ROM making it unreadable.
- Do not install the navigation system near a CD player that may interfere with GPS signal reception.
- The optimum locations for installing the GPS antenna are:
  - on the dashboard where no metal piece (such as the defogger wire or antenna wire) is located on the windshield.
  - where no metal cover is located.
- Route the Speed Pulse Sensor cable away from the audio cables in order to avoid picking up noises.

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1. Preparation

1 Check accessory parts.

GPS antenna (5 m)

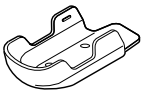
Antenna mounting plate

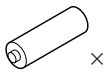
× 5
Cable clamp (for GPS antenna)

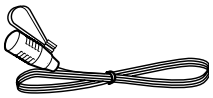
Parking brake aux. cord

× 2
Solderless connector

Remote control

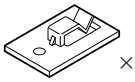

Remote control holder

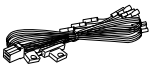

× 2
Battery (AAA)


Microphone for voice recognition (3.5 m)

Speak button for voice recognition (7 m)

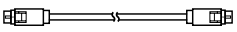
double-faced tape (for voice recognition Speak button)


× 4
Cable clamp (for voice recognition Speak button)

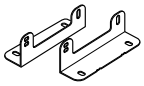

(2.5 m)

(4.5 m)

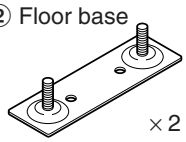
Power cables


13P RGB extension cable (6 m)

① Bracket


One each for left and right

② Floor base


× 2

③ Screw with double washer (M4 × 8)

× 4

④ Hex bolt (M6 × 50)

× 4

⑤ Flanged self-tapping screw (M5 × 15)

× 4

⑥ Spring washer (M6)

× 4

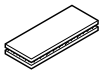
⑦ Flanged hex nut (M6)

× 4

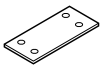
⑧ Wing nut (M6)

× 4

⑨ Velcro fastener


× 2

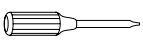
⑩ Velcro tape



⑪ Self-tapping screw (M3 × 12)

× 4

2 Prepare tools and mounting information.

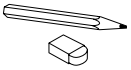

Screwdriver

Electrical tape

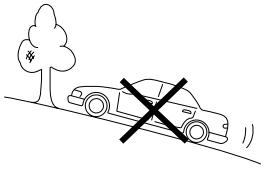
Pliers

Spanner

Multimeter


Pencil and eraser

3 Park the vehicle in a safe and level location.



Note:

Before working on the installation check and verify that your vehicle lights are working correctly and your vehicle status indicators e.g. Engine needs service, etc. are not on. If these indicators are on, please resolve the problem before installing the Navigation System.

4 Apply the brake and remove the ignition key.

5 Mount the antenna on the roof.

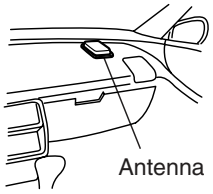
Clean dust and oil at the mounting location and mount the antenna.

Notes:

- *The magnet of the antenna is very strong. Proceed cautiously to prevent any damage to the vehicle's body. Keep the magnet away from articles susceptible to magnetic fields such as credit cards, watches, etc.*
- *Do not paint the antenna. Reception sensitivity may be decreased.*

Mounting the antenna inside the vehicle.

1. Clean the mounting location.
2. Put on the antenna mounting plate.
3. Mount the antenna.

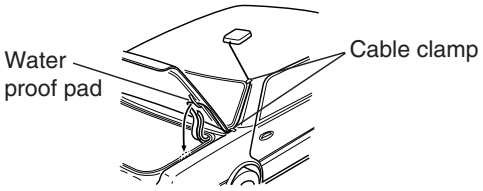


Notes:

- *Mount the antenna on a flat plane of the dash board or rear tray.*
- *Some thermal reflection type or thermal absorption type glass may interrupt high frequency waves. If reception is poor with the antenna installed inside the car, try to mount the antenna outside the car.*
- *Make sure the antenna is not covered (obstructed) by any metallic surface or object.*

6 Routing the antenna cable.

1. Route the cable using the provided cable clamps to take up the cable's slack.
2. Use the waterproof pad when running the cable under the vehicle's rubber gasket.
3. Attach the cable at several points using the remaining cable clamps.



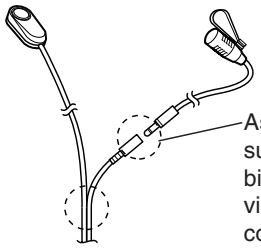
7 Mounting the Voice Recognition Microphone and Speak Button.

Notes:

For safe use, make sure of the following:

- *location is stable and firm.*
- *driver's view or operations are not obstructed.*
- *voice recognition microphone is located where the driver's voice can be easily picked up (sun visor, etc.). When you speak into microphone, you should not have to change your driving posture. This may cause a distraction, taking your attention away from safely driving your vehicle. Carefully consider direction and distance while mounting the microphone. Confirm that the driver's voice can be easily picked up at the selected location.*
- *speak button is located where the driver can easily press the button (near the shift lever, etc.). When pressing the button, you should not have to change your driving posture. This may cause a distraction, taking your attention away from driving your vehicle safely. Mount the button so that the driver can easily press it.*

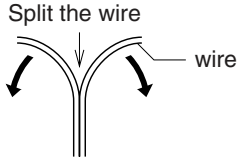
1. Connect the microphone cable to the speak button for voice recognition.



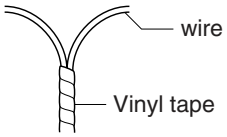
As the cable connection is subject to vibration, etc., bind the connection with vinyl tape so that it will not come apart.

- When the voice recognition microphone/speak button is mounted, the zip wire can be further split to lengthen it.

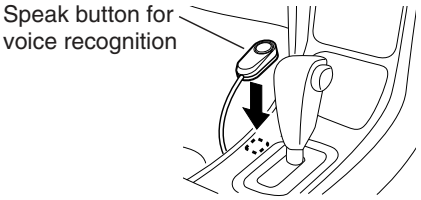
  1) Mount the microphone and the speak button in your desired locations, and split the zip wire until both can be connected.



  2) Use vinyl tape and bind the wire so that it will not split further.



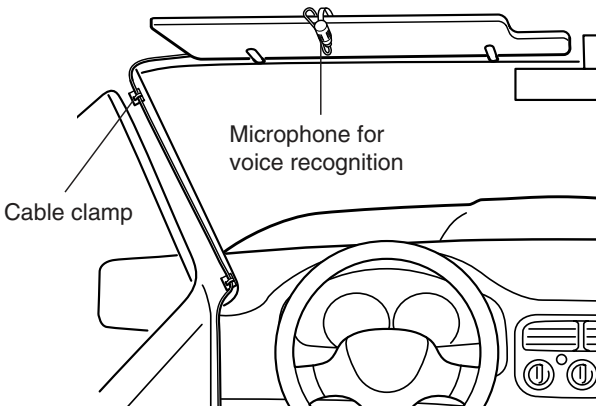
2. Apply the double-faced tape to the back side of the speak button for voice recognition. After finding an appropriate mounting location, peel off the paper backing and press in place.



Note:

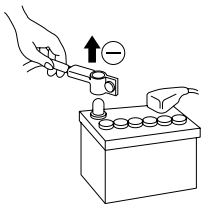
Before applying the double-faced tape, the mounting location area must be clean and free from any dirt or grease.

3. Mount the microphone for voice recognition.



2. Connections

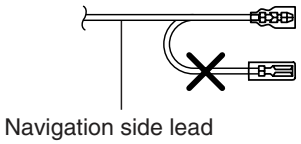
1 **Disconnect the battery (–) terminal.**



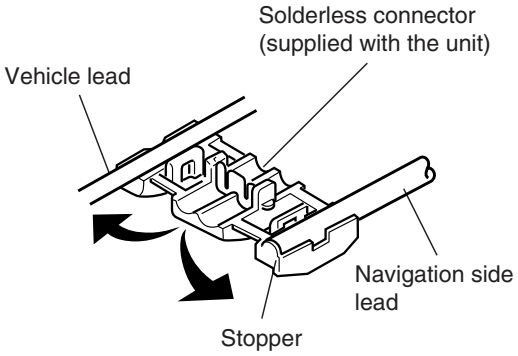
Note:
Some vehicles contain a vehicle control computer etc. in this case, contents of the computer memory may be erased when the battery (–) lead is disconnected.

2 **Parking Brake Lead Connection.**
If necessary, use a solderless connector to connect the parking brake lead, speed sensor lead, etc.

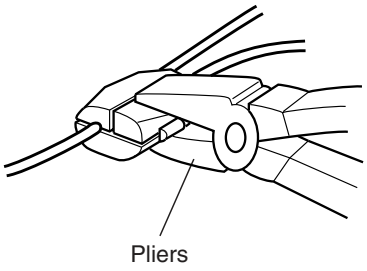
Preparation



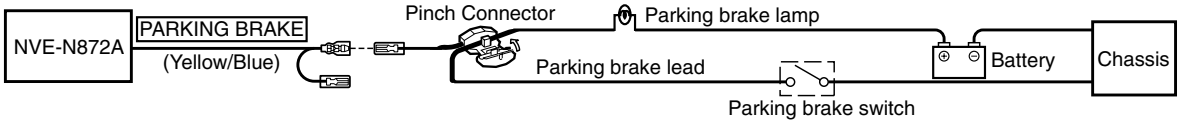
1



2

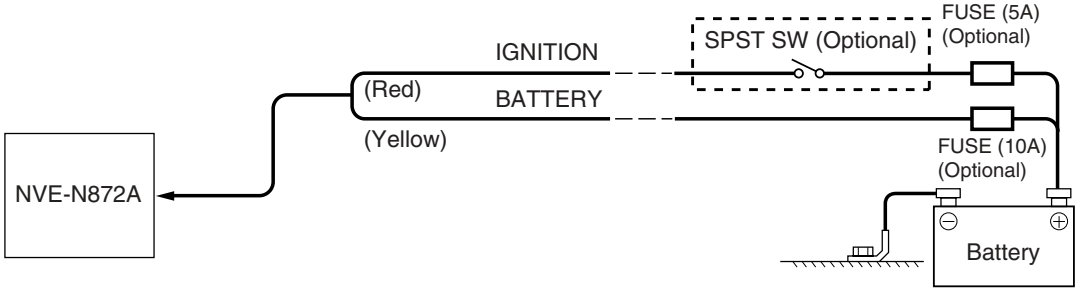


Parking Brake Lead Connection



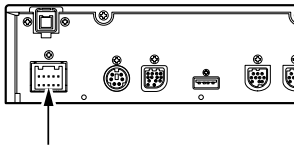
Connection Diagram of SPST Switch (Sold Separately)

(If the ACC power supply is not available)

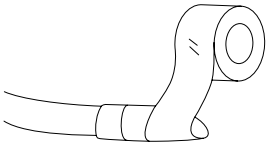


- *If your vehicle has no ACC power supply, add an SPST (Single-Pole, Single-Throw) switch (sold separately) and fuse (sold separately).*
- *The diagram and the fuse amperage shown above are in systems where the NVE-N872A is used individually.*
- *If the switched power (ignition) lead of the NVE-N872A is connected directly to the positive (+) terminal of the vehicle's battery, the NVE-N872A draws some current (several hundred milliamperes) even when its switch is placed in the OFF position. In some cases, this is enough to discharge the battery.*

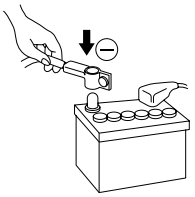
3 **Connect the power lead to this unit.**
Insert until a click sound is heard.

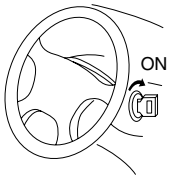


4 **Wrap electrical tape around end of leads not used.**



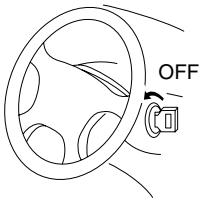
5 **Connect the battery (–) terminal and turn the ignition key to the ACC or ON position. Check to see if operation can be performed properly.**
(Is the power turned on? Is the illumination turned on?)
You can check the language selection menu with the monitor. (Refer to the Owner's Manual for details.) Go to step 6 after checking is completed.



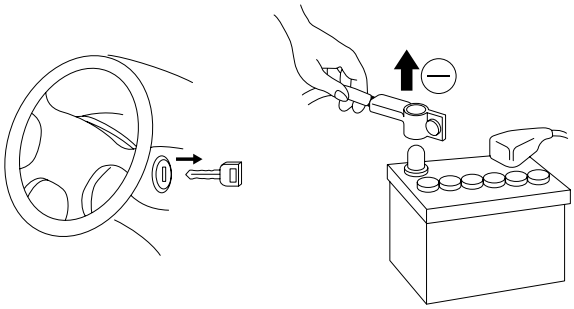


Note:
Before connecting the battery terminal, check the battery voltage using the multimeter and make sure that it registers at least 12V.

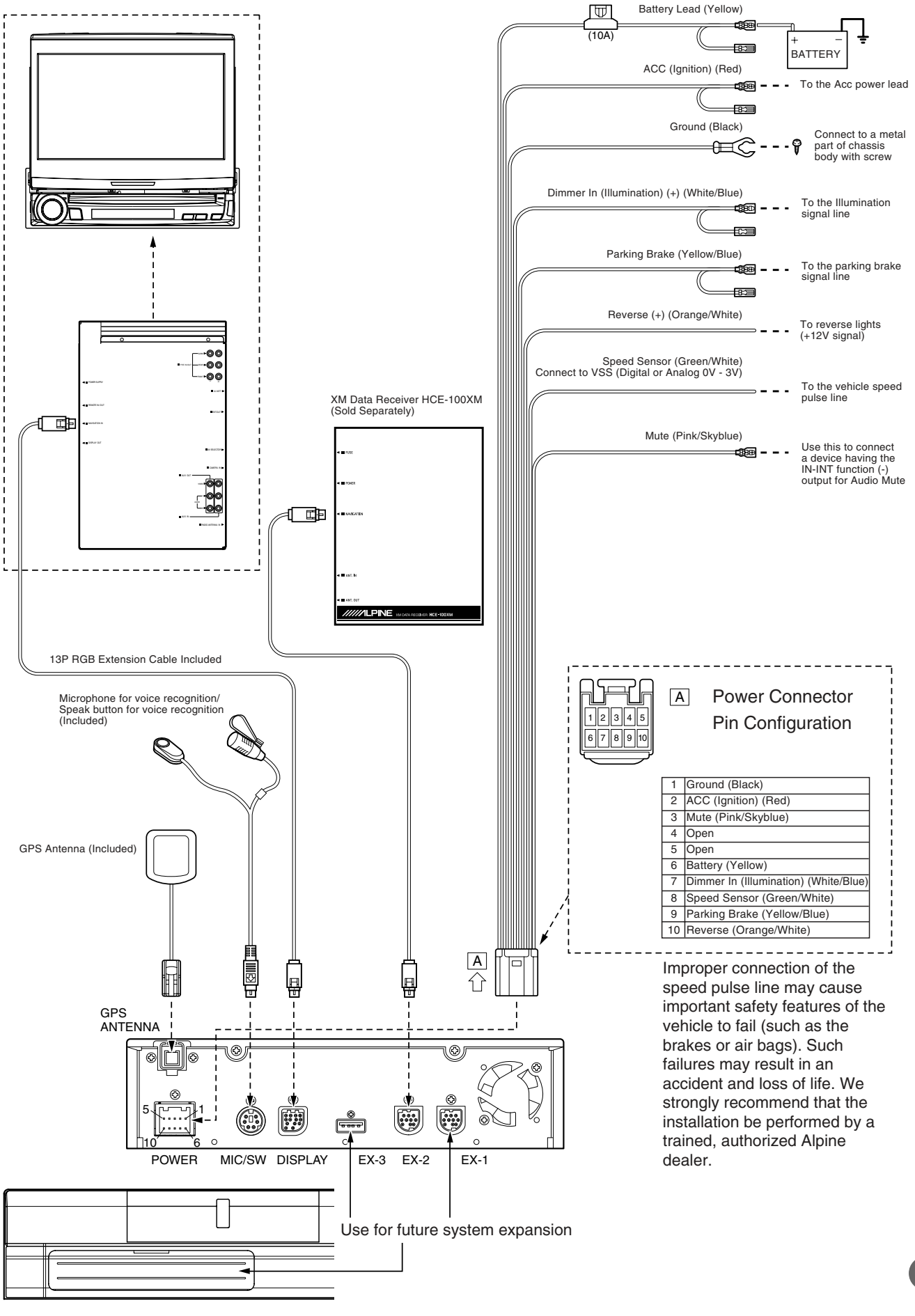
6 **Turn the ignition key to the OFF position to turn off the power after completion of the check.**



7 **Pull out the ignition key and remove the battery terminal (–) again to begin installation procedure.**

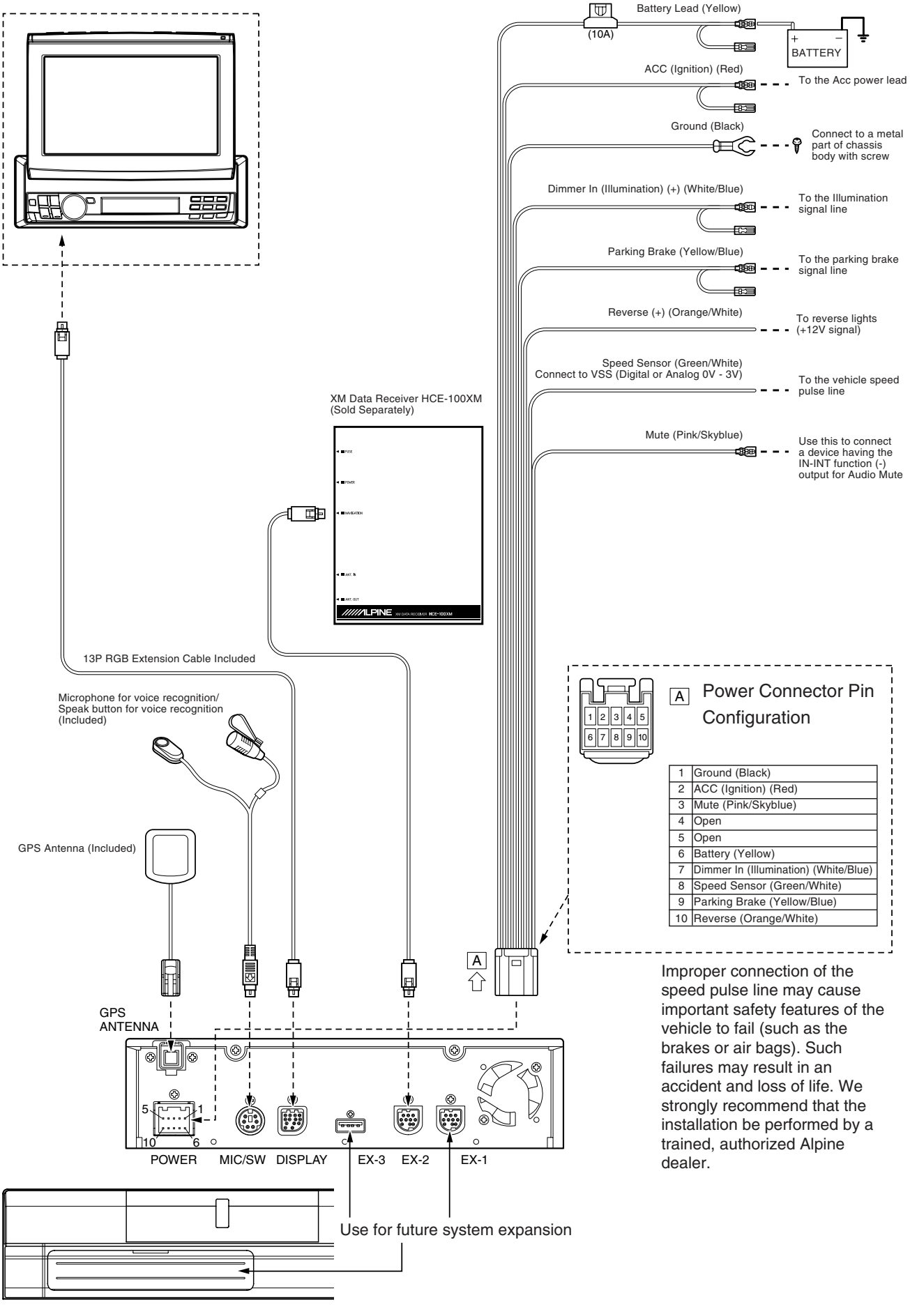


3-1. NVE-N872A Wiring Diagram With IVA-D310/IVA-D300/ TME-M770 (Touch panel-compatible Alpine products)



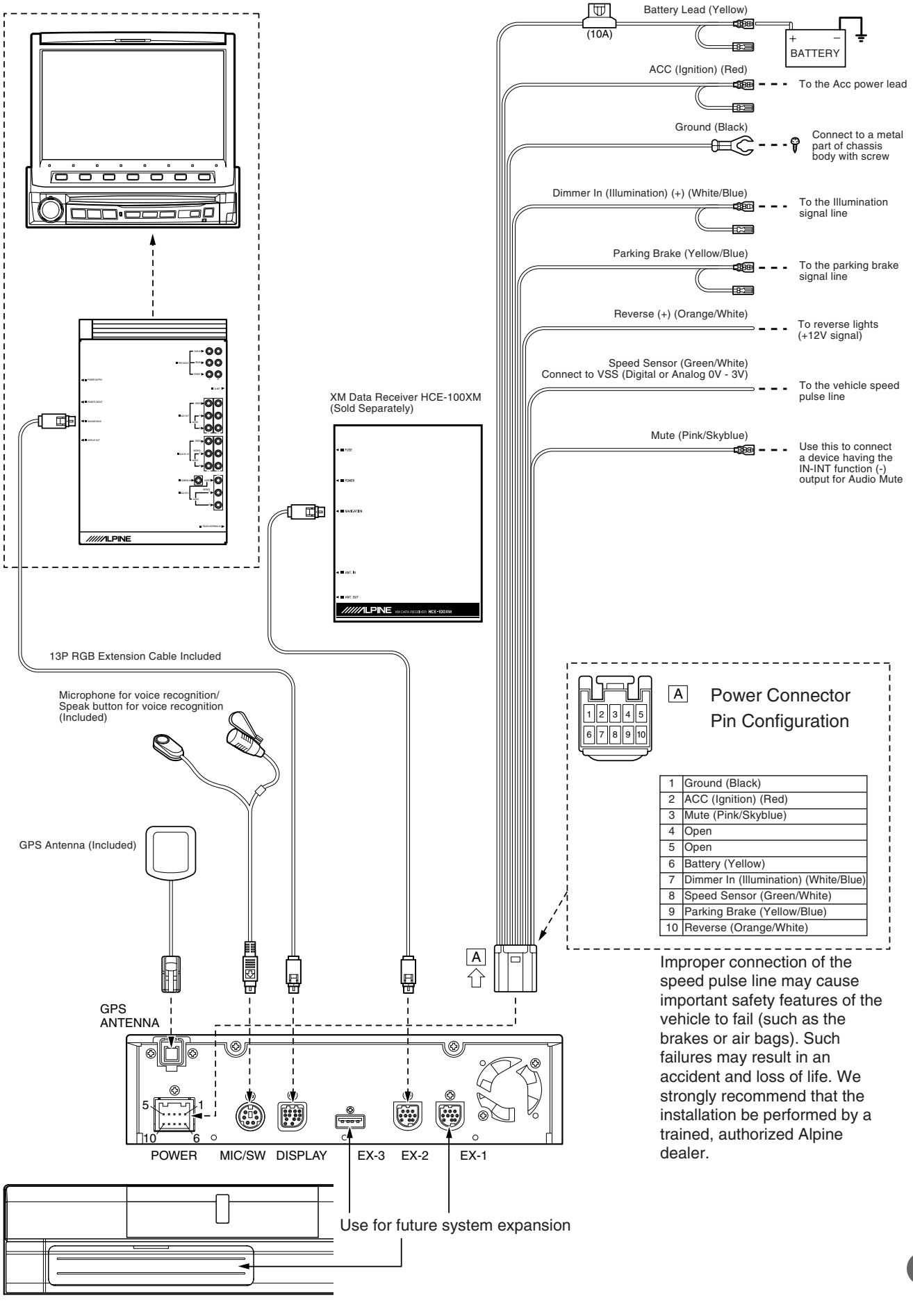
Improper connection of the speed pulse line may cause important safety features of the vehicle to fail (such as the brakes or air bags). Such failures may result in an accident and loss of life. We strongly recommend that the installation be performed by a trained, authorized Alpine dealer.

3-2. NVE-N872A Wiring Diagram With CVA-1014/CVA-1004/CVA-1003



Improper connection of the speed pulse line may cause important safety features of the vehicle to fail (such as the brakes or air bags). Such failures may result in an accident and loss of life. We strongly recommend that the installation be performed by a trained, authorized Alpine dealer.

3-3. NVE-N872A Wiring Diagram With IVA-D901/IVA-D900/IVA-C801/ IVA-C800/CVA-1006/CVA-1005/TME-M790/TME-M760/TME-M750A



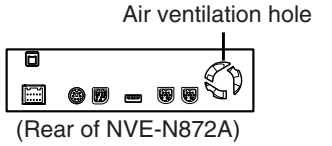
A Power Connector Pin Configuration

1	Ground (Black)
2	ACC (Ignition) (Red)
3	Mute (Pink/Skyblue)
4	Open
5	Open
6	Battery (Yellow)
7	Dimmer In (Illumination) (White/Blue)
8	Speed Sensor (Green/White)
9	Parking Brake (Yellow/Blue)
10	Reverse (Orange/White)

Improper connection of the speed pulse line may cause important safety features of the vehicle to fail (such as the brakes or air bags). Such failures may result in an accident and loss of life. We strongly recommend that the installation be performed by a trained, authorized Alpine dealer.

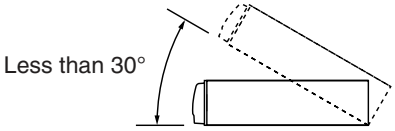
4. Mounting

Caution
Do not block the unit's fan, thus preventing air circulation. If blocked, heat will accumulate inside the unit and may cause a fire.



(Rear of NVE-N872A)

Note:
The main unit must be mounted within ±5 degrees of the horizontal plane, left to right, and 30 degrees of the horizontal plane, back to front.

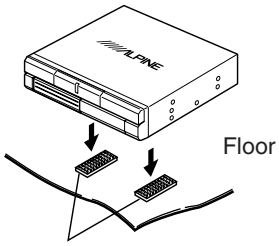


● When mounting using Velcro fastener

1 Place Velcro fasteners.
Place two pieces of Velcro fasteners onto the mounting surface. The rough side should be facing the navigation unit.

2 Press the Navigation unit onto the Velcro fastener at the mounting position.
Remove the backing to the adhesive on the Velcro strips. Press the Navigation unit onto the mounting location.

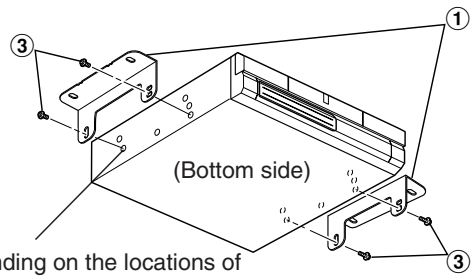
Continued to the step 5 "Securing leads, etc."



Velcro fasteners

● When mounting on the rear tray

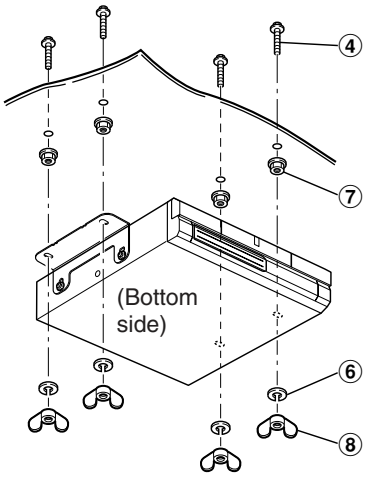
1 Mount the brackets ① on the unit.
Mount the brackets at both sides of the unit with screws with double washer (M4×8) ③.



Depending on the locations of the mounting screw holes, the mounting brackets (for the left and right) can be used on either side.

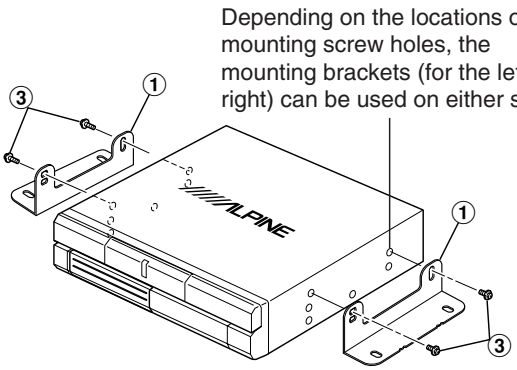
2 Attach the unit on the rear tray.
Attach the unit securely with hex bolts (M6×50) ④, flanged hex nuts (M6) ⑦, spring washers (M6) ⑥, and wing nuts (M6) ⑧.

Continued to step 5 "Securing leads, etc."



● When mounting the unit directly on the floor

1 Mount the brackets ① on the unit.
Mount the brackets at both sides of the unit with screws with double washer (M4×8) ③.

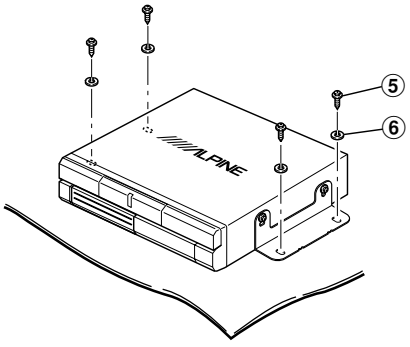

Depending on the locations of the mounting screw holes, the mounting brackets (for the left and right) can be used on either side.
①
③
①
③

2 Mount the unit on the floor.
Mount the unit on the floor with flanged self-tapping screws (M5×15) ⑤ and spring washers (M6) ⑥.

- Make sure the unit is protected from dust and debris and dampness.

Warning: Do not damage pipe or wiring when drilling holes.

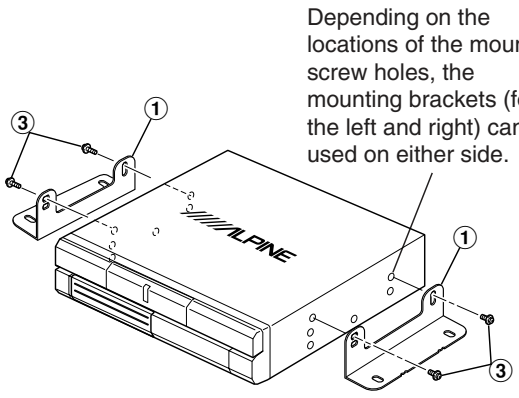
Continued to step 5 "Securing leads, etc."



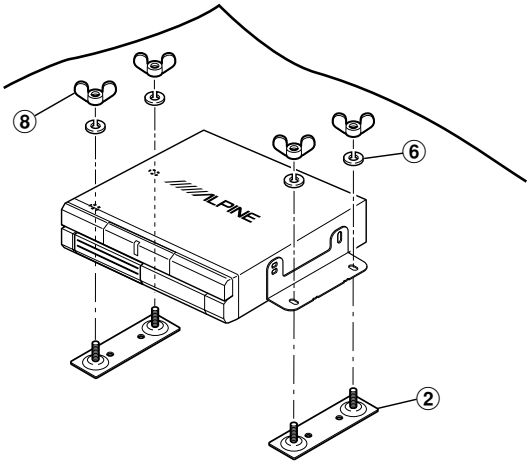
● When mounting with floor base brackets

1 Mount the brackets ①.

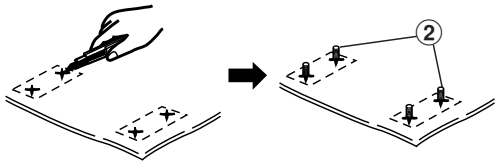
Mount the brackets ① at both sides of the unit with screws with double washer (M4×8) ③.


Depending on the locations of the mounting screw holes, the mounting brackets (for the left and right) can be used on either side.
③
①
①
③

2 Determine mounting position of the floor bases ② for placement under the carpet.

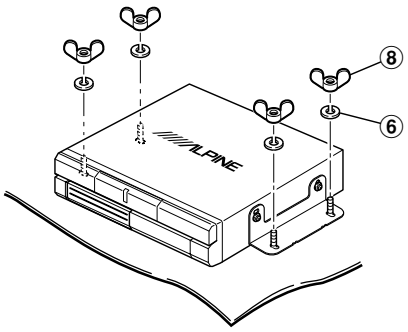


3 Cut the carpet in "x" shape with a cutter and insert the floor bases ② from under side of the carpet.



4 Mount the unit on the carpet with spring washers (M6) ⑥ and wing nuts (M6) ⑧.

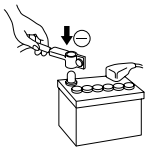
Continued to step 5 "Securing leads, etc."



5 Securing leads, etc.

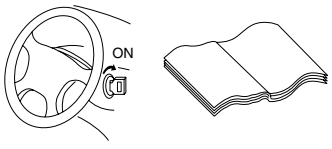
Make sure leads are not pinched by moving parts such as the seat rail, etc. Also check for damaged from sharp edges or protrusion.

6 Connect the battery (–) terminal.

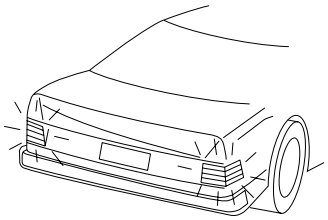


5. Confirmation

1 Turn on the engine key. Make sure the unit is operating correctly by referring to the Owner's Manual.

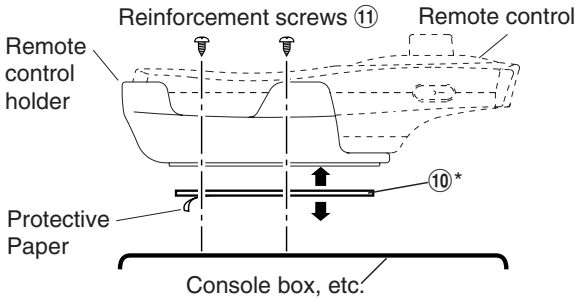


2 Make sure all factory components such as the brake lamps, etc. work correctly.



● Remote control holder mounting method

- If the remote control is in direct sunlight, remove it from the holder and keep it in the glove box.
- When the holder cannot be mounted securely with double-sided adhesive tape ⑩, mount it by using screws ⑪.



* Double-sided adhesive tape. (Before attaching the tape, make sure the mounting location is free from dust or dirt.)

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NVE-N872A

Satellite Linked Navigation

DVD ROM

HARDWARE MANUAL

Please read before using this product.

MANUEL DU MATERIEL INFORMATIQUE

Veuillez lire attentivement ce mode d'emploi avant la mise en service du produit.

MANUAL DE HARDWARE

Lea lo siguiente antes de utilizar este producto.

PRECAUTIONS

IMPORTANT INFORMATION, PLEASE READ CAREFULLY BEFORE USING THIS PRODUCT.

This product is intended to safely provide turn by turn instruction to get you to a desired destination. Please read the following precautions to ensure that you use this navigation system correctly.

- ***This product is not a substitute for your personal judgment. Any route suggestions made by this navigation system should never supersede any local traffic regulations or your personal judgment and/or knowledge of safe driving practices. Do not follow route suggestions if the navigation system instructs you to perform an unsafe or illegal maneuver, places you in an unsafe situation, or routes you into an area which you consider unsafe.***

- ***Glance at the screen only when necessary and safe to do so. If prolonged viewing of the screen is necessary, stop in a safe and legal manner and location.***

- ***Do not input destinations, change settings, or access any functions requiring a prolonged view of the monitor and/or remote control while you are driving. Stop in a safe and legal manner and location before attempting to access the system.***

- ***When using the navigation system to find/route to an emergency service, please contact the facility to validate and verify availability, prior to driving to it. Not all locations of emergency service providers such as police and fire stations, hospitals, and clinics are contained in the database. Please use your own judgment and your ability to ask for directions in these situations.***

- ***The map database contained within the media (DVD ROM) in which it is stored is the most recent map data available at the time of production. Because of changes in streets and Neighborhoods, there may be situations where the navigation system may not be able to route you to your desired destination. In these cases, use your own personal judgment.***

- ***The map database is designed to provide you with route suggestions, it does not take account of the relative safety of a suggested route, or of factors which may affect the time required to reach your destination. The system does not reflect road closures or construction, road characteristics (i.e. type of road surface, slope or grade, weight or height restrictions, etc.), traffic congestion, weather conditions, or any other factors which may affect the safety or timing of your driving experience. Use your personal judgment if the navigation system is unable to provide you with an alternate route.***

- ***There may be situations where the navigation system may display the vehicle's location erroneously. Use your own driving judgment in this situation, taking into account current driving conditions. Please be aware that in this situation, the navigation system should correct the vehicle's position automatically; however, there may be times where you may have to correct the position yourself. If this is the case, stop in a safe and legal manner and location before attempting operation.***

- ***Make certain that the volume level of the monitor is set to a level which still allows you to hear outside traffic and emergency vehicles. Driving while unable to hear outside sounds could cause an accident.***

- ***Position the monitor so that glancing at the screen can be performed quickly and easily by the driver. If any adjustments are necessary, stop in a safe and legal manner and location.***

- ***The monitor used with this system should not be placed in a location which hinders the driver's view of any critical elements necessary to operate the vehicle properly (i.e. the road, mirrors, instruments, vehicle's surroundings). In addition, the monitor should not be placed in a location which may obstruct the air bags should they deploy.***

- ***Remember to wear your seat belt at all times when the car is in motion. This will help you avoid impact with anything in the car's interior, including the system itself.***

- ***Be sure to reset the system before starting operation whenever the system is reinstalled on another vehicle. The navigation system measures the distance with the speedometer pulse. Since the speedometer pulses depend on the vehicle manufacturer and the tire size, when you buy a new vehicle or replace your tires, the speedometer pulses are compared with the distance measured with GPS waves and the distance coefficient is automatically recalibrated.***

- ***Do not use a portable telephone or transceiver near the system. Using them may cause noise or operating error to the system, or prevent for the portable telephone or transceiver from proper communications. Use them away from the system.***

- ***Please make certain that any other person who intends on using this navigation system reads these precautions and the following instructions carefully.***

- ***If there is anything in the manual which you do not understand, or are uncertain about the operation of the navigation system, please contact an authorized representative before using the navigation system.***

- ***Should the system become necessary for service or repair, make sure the DVD-ROM is removed from the main unit. Place the DVD-ROM in its case and ship it along with the main unit.***

Points to Observe for Safe Usage

- Read this manual carefully before using this navigation system. It contains instructions on how to use this product in a safe and effective manner. Alpine cannot be responsible for problems resulting from failure to observe the instructions in this manual.
- This manual uses various pictorial displays to show how to use this product safely and to alert you to potential dangers resulting from improper connections and operation. Following are the meanings of these pictorial displays. It is important to fully understand the meanings of these pictorial displays in order to use this manual and the system properly.

• Meaning of displays

⚠ Warning	This symbol means important instructions. Failure to heed them can result in serious injury or death.
⚠ Caution	This symbol means important instructions. Failure to heed them can result in injury or material property damage.
Tips	This indicates supplementary explanation of operation of this system.

⚠ Warning

DO NOT DISASSEMBLE OR ALTER. Doing so may result in an accident, fire or electric shock.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN. Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES. Failure to do so may result in fire or electric shock.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS. Use for other than its designed application may result in fire, electric shock or other injury.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE. Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

MINIMIZE DISPLAY VIEWING WHILE DRIVING. Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT FOLLOW ROUTE SUGGESTIONS IF THE NAVIGATION SYSTEM INSTRUCTS YOU TO PERFORM AN UNSAFE OR ILLEGAL MANEUVER, OR PLACES YOU IN AN UNSAFE SITUATION OR AREA. This product is not a substitute for your personal judgment. Any route suggestions by this system should never supersede any local traffic regulations or your personal judgment or knowledge of safe driving practice.

DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS. Doing so may result in personal injury or damage to the product.

⚠ Caution

HALT USE IMMEDIATELY IF A PROBLEM APPEARS. Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Centre for repairing.

DO NOT MIX NEW BATTERIES WITH OLD BATTERIES. INSERT WITH THE CORRECT BATTERY POLARITY. When inserting the batteries, be sure to observe proper polarity (+ and –) as instructed. Rupture or chemical leakage from the battery may cause fire or personal injury.

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CAUTION

CAUTION-Laser radiation when open, DO NOT STARE INTO BEAM

(Bottom side of player)

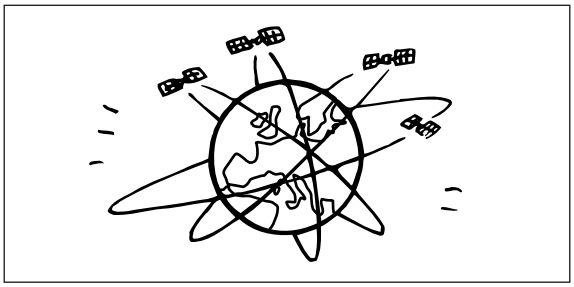
Preface

Navigation systems

This navigation system uses three different sensing devices to determine the present location and to track the progress of the vehicle. These three devices are: a GPS (Global Positioning System) receiver which receives digital signals from the GPS satellites to determine the current position of the vehicle, a gyroscope which determines which direction the vehicle turns, and a speedometer pulse sensor which determine how far the vehicle has travelled. Because this system incorporates a gyroscope and a speed sensor, the system will be able to display the vehicle's position and track the vehicle's progress even in areas where the GPS signal may be blocked.
All map data is contained on a removable DVD ROM (sold separately). This system integrates this unique map database with the sensing devices to automatically plot out a route when a destination is entered. While driving, the navigation system guides you along the route with pictorial displays and verbal prompts.

Note: Altitude display accuracy can vary widely since the system uses only GPS signals for determining altitude approximations. Unlike altitude measurement, map matching accuracy is much more precise due to calculation methods that utilize three inputs: 1) GPS signals, 2) vehicle speed signals, and 3) the system's built-in electronic gyro signals.

GPS (Global Positioning System)



This system receives signals from 3 or more GPS satellites (operated by the United States Department of Defense) orbiting at an altitude of 13,100 miles (21,000 kilometers) and measures the present car position using the same principles as triangulation.

There may be a delay before the actual vehicle's position is displayed

Determination of the present vehicle's position starts when the ignition key is turned to the ACC or ON positions and ends when the key is turned OFF. When the key is first turned to the ACC or ON positions, there is a slight delay of approximately one to two minutes before the present vehicle's position can be displayed.

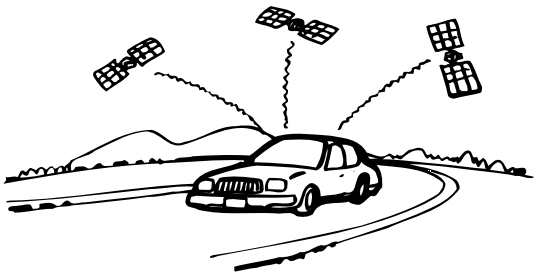
The error from the actual position of the vehicle

When GPS signals can be received from 4 or more satellites, 3 dimensional positioning (the altitude, latitude, and longitude) of the vehicle can be determined. In this case, the error from the actual position of the vehicle is in the range of 100 to 655 feet (30 to 200 meters). When GPS signals can only be received from 3 satellites, only two dimensional positioning (latitude and longitude) can be determined, resulting in a slightly increased error. When GPS signals can only be received from less than three satellites, positioning of the vehicle through GPS is not possible. In addition to the inherent errors from GPS, the error rate can also be increased if the United States Department of Defense deliberately changes the accuracy rate.

Gyroscope

The gyroscope is a sensor that accurately measures the angle by which the direction of a vehicle or other moving body changes. Gyroscopes are used in inertial navigation systems for airliners and ships. In this navigation system, the gyroscope is used together with the speed sensor, making it possible to display the position of the vehicle even in locations where GPS signals may be blocked.

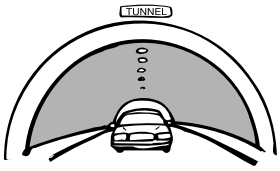
Locations where GPS signals are received easily



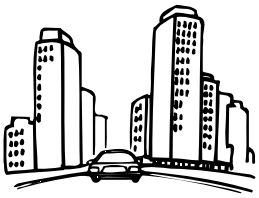
The optimum locations for receiving GPS signals are locations that command a good view where there are no tall buildings, trees, or other objects to obstruct the signals.

Locations where GPS signals cannot be received

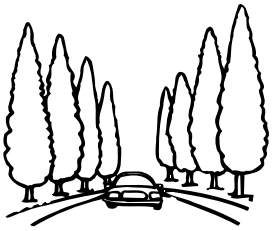
In the following locations or conditions GPS signals cannot be received. However even in these locations, the gyroscope and speed sensor will provide a substitute means of determining the vehicle's position and the system will be able to continue to track the vehicle's progress along the route.



In tunnels and indoor parking lots

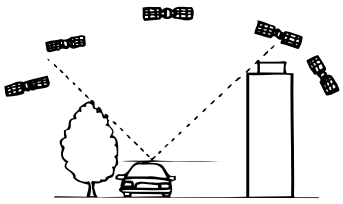


Locations surrounded by tall buildings



Locations surrounded by tall trees

On the bottom level of double-decker motorways



When a GPS satellite is low on the horizon (angle below 10°), obstructions sometimes make normal reception impossible

Before Using This System

Remote control (RUE-4140)

Names of the Parts

Joystick/ENTER button
Selects highlighted items in menus and moves map displays and vehicle position icon. Tilt this to scroll the map. Press the ENTER button to select any highlighted function, screen icon or street segment.

Zoom/Scroll buttons
Changes map magnification ratio upward or downward in 12 steps.
mile: 1/32, 1/16, 1/8, 1/4, 1/2, 1, 2, 5, 15, 50, 150, 350
m: 50, 100, 200, 400m, 1, 2, 4, 10, 30, 100, 250, 600km
Changes map magnification ratio Smoothly by pressing and holding either button.
In menu scrolls the page if the list is more than 2 pages.

AUDIO/NAV. button
Switches between Audio and Navigation operations.
Pressing this button illuminates the keys on the remote control.

VOICE button
Initiates vocal instruction for next route maneuver or repeats last instruction.

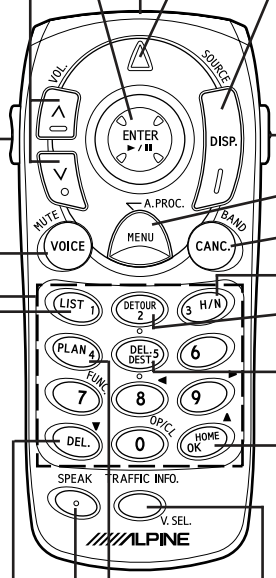
Numeric Keypad
Use these buttons to enter phone numbers, address numbers or street names containing numbers (i.e., 42nd St.). Works in conjunction with the MODE button.

LIST button
Displays list of the streets currently set for the route. To return to the guidance mode, press the DISP button.

DEL. button
Deletes the character previously input.

SPEAK button
Press the button to operate the navigation using Voice Commands.

Remote Control transmitter
Transmits the remote control signals. Aim toward the display monitor for operation.



Status indicator
Illuminates when the remote is transmitting.

DISP. button
When setting the route, switches the map and guidance display. If in a menu, displays the map.

MODE button
Press this button to input numerals using the numeric keypad. The numerals can be input while the status indicator blinks.

MENU button
Displays the Nav. menu.

CANC. button
Cancels current display screen and switches back to previous screen with menus.

H/N button
Toggles between Heading Up, North Up and a 3D orientation.

DETOUR button
Allows user to select detouring distance or avoid traffic congestion.

DEL. DEST. button
Deletes current destination.

HOME button
Calculates route to Home destination.

OK button
Executes numeral inputting.

TRAFFIC INFO. button
Traffic information list is displayed.

PLAN button
Allows you to advance to the next destination in Today's Plan list.

Tips

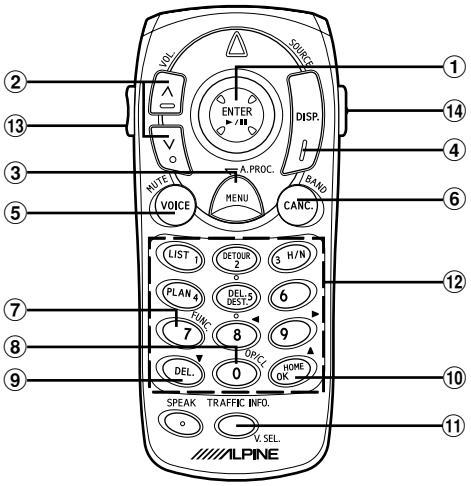
- If an operation is not accepted, the navigation system beeps.
- The Alpine head unit can be operated with the remote control. For details, refer to pages 9 and 10.
- After pressing the MODE button, press the following buttons while the status indicator is blinking : numerals (0 to 9), DEL. and OK.

Note: Due to continuous product improvement, specifications are subject to change.

Remote control (RUE-4140)

Remote Control Reference Guide for Head Unit

When you use an Alpine Head Unit, you can operate it with the remote control (supplied with NVE-N872A). Change the AUDIO/NAV. Switch, on the side of the remote control, to AUDIO.

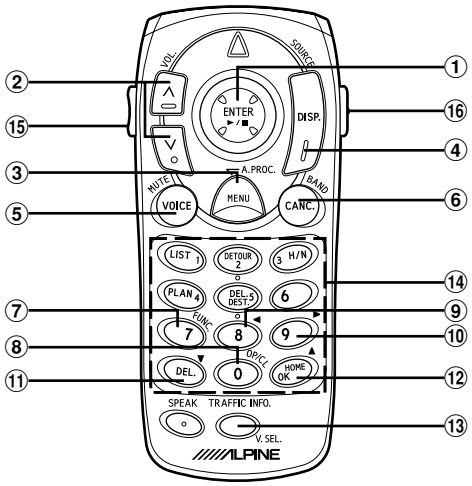


No.	Button	Description
①	**►/II**	Push : PLAY/PAUSE Radio mode : Preset Selection (⬆/⬇), SEEK UP/DOWN (⬅/➡) CD/MD Player/Changer mode : Disc Selection (⬆/⬇), Music Sensor (⬅/➡), BW/FF (⬅/➡ Hold) Tape Mode : Programme Sensor (⬆/⬇), REW/FF (⬅/➡ Hold)
②	**VOL.**	Volume Control
③	**A.PROC.**	Audio Processor
④	**SOURCE**	Source Selection
⑤	**MUTE**	Audio Mute
⑥	**BAND**	Radio Band Selection
⑦	**FUNC.**	–
⑧	**OP/CL**	–
⑨	**▼**	Display Angle DOWN (only pressing MODE button)
⑩	**▲**	Display Angle UP (only pressing MODE button)
⑪	**V.SEL.**	–
⑫	**Numeric Keypad**	–
⑬	**AUDIO/NAV.**	Switching AUDIO/NAV.
⑭	**MODE**	Operates ⑨ to ⑩ (Flashes the Status Indicator for 5 seconds.)

Remote control (RUE-4140)

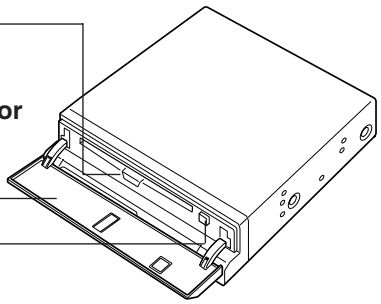
Remote Control Reference Guide for AV Head Unit

When you use the Alpine head unit with the monitor, you can operate the AV head unit with the remote control (supplied with NVE-N872A). Change the AUDIO/NAV. Switch, on the side of the remote control, to AUDIO.



No.	Button	Description
①	►/II	Push : PLAY/PAUSE (IVA-D310/IVA-D300/IVA-D901/IVA-D900/CVA-1014/ CVA-1004/CVA-1003) Push : Changes the modes as follows : Volume/Bass/Treble/Fader (CVA-1005/CVA-1006/IVA-C800/IVA-C801) Push hold : PLAY/PAUSE (CVA-1005/CVA-1006/IVA-C800/IVA-C801) Radio mode : Preset Selection (⬆/⬇), SEEK UP/DOWN (⬅/➡) CD/MD Player/Changer mode : Disc Selection (⬆/⬇), Music Sensor (⬅/➡), BW/FF (⬅/➡ Hold) Tape Mode : Programme Sensor (⬆/⬇), REW/FF (⬅/➡ Hold)
②	**VOL.**	Volume Control
③	**A.PROC.**	Audio Processor
④	**SOURCE**	Source Selection
⑤	**MUTE**	Audio Mute
⑥	**BAND**	Radio Band Selection
⑦	**FUNC.**	This function button has the same function as the following models : CVA-1003/ CVA-1005/CVA-1006/IVA-C800/IVA-C801.
⑧	**OP/CL**	Indash Display OPEN/CLOSE (only pressing MODE button)
⑨	◄	Indash Display Angle LEFT (only pressing MODE button)
⑩	►	Indash Display Angle RIGHT (only pressing MODE button)
⑪	▼	Indash Display Angle DOWN (only pressing MODE button)
⑫	▲	Indash Display Angle UP (only pressing MODE button)
⑬	**V.SEL.**	Switching V.SEL.
⑭	**Numeric Keypad (1 to 6)**	This numeric keypad has the same function of the preset buttons (1 to 6) as the following models : CVA-1003/CVA-1005/CVA-1006/IVA-C800/IVA-C801.
⑮	**AUDIO/NAV.**	Switching AUDIO/NAV. Switch to AUDIO side.
⑯	**MODE**	Operates ⑧ to ⑫ (Flashes the Status Indicator for 5 seconds.)

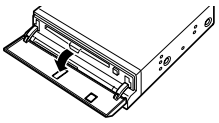
Main unit



Tips
- Keep the door closed except when changing the DVD-ROM.
- Before inserting or removing the DVD-ROM, always turn the ignition key to ACC or ON. You cannot remove or insert the DVD-ROM with the ignition key turned OFF.
- Do not insert any DVD Video discs or other non-Alpine DVD-ROMs.

Inserting the DVD-ROM

1 Open the DVD-ROM compartment door.

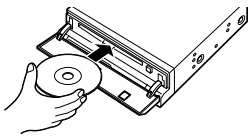


If a DVD-ROM is already in the main unit, remove it by referring to "Removing the DVD-ROM" section.

2 Insert the DVD-ROM with the label side facing up.

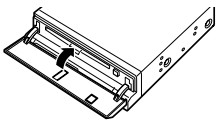
When you insert the DVD-ROM into a certain position, it is automatically pulled into the navigation system.

Tips
Do not touch the surface of the disc directly with your fingers.



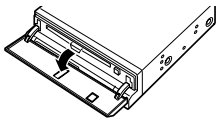
3 Close the door.

Be sure to close the door to prevent dust from getting inside.

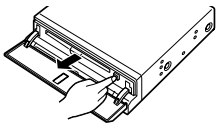


Removing the DVD-ROM

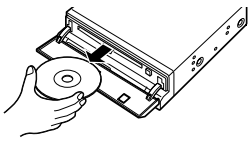
1 Open the door.



2 Press the EJECT button.



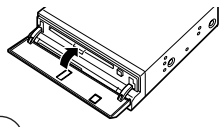
3 When the DVD-ROM has been ejected part way, take it out.



Do not close the door while the DVD-ROM is being ejected.

Tips
If the eject button is pressed with the DVD-ROM ejected part way, the DVD-ROM will be pulled into the system.

4 Close the door.



Tips
- The DVD-ROM is a delicate device. Avoid dropping or scratching it.
- Keep the DVD-ROM away from dust and moisture.

Precautions for the remote control

Tips

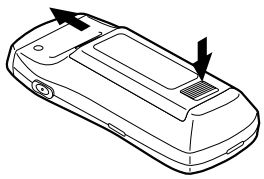
- This device is lightweight and compact. Do not drop it or bump it. Do not put it in your trousers pocket. Doing so could break it, speed up battery wear, or cause malfunction.
- To clean this device, wipe it off with a dry cloth. (If it is extremely dirty, wipe it off with a damp cloth that has been carefully wrung out.) Never use benzene, paint thinner or harsh chemicals. They cause deterioration of the case and paint. Do not leave this remote control on the dashboard or anywhere else subject to direct sunlight.

Replacing the batteries

Use two AAA-type batteries.

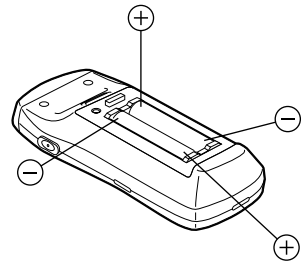
1 Open the cover

Opening the battery cover.
Push on the cover and slide it as indicated by the arrows then the cover will be removed.



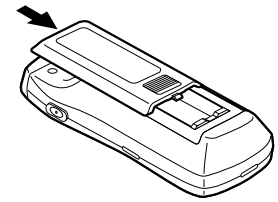
2 Replace the batteries

Replacing the battery.
Remove the old batteries. Insert new ones matching the (+) and (–) polarities as shown in the diagram inside the remote control.



3 Close the cover

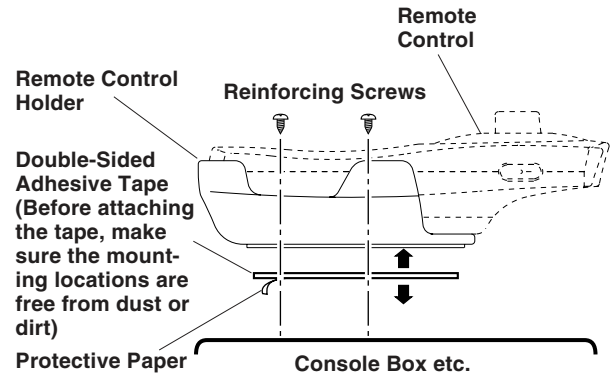
Closing the cover.
Push the cover in the arrow direction until a click is heard.



Remote Control Holder Installation

- If direct sunlight reaches the remote control mounted on the holder, remove the remote control from the holder and put it in the glove compartment.
- If double-sided adhesive tape cannot install the holder securely, use screws.

Note: Attach the blue protective paper side of double-sided tape onto the console box, etc.


Remote Control
Remote Control Holder
Reinforcing Screws
Double-Sided Adhesive Tape (Before attaching the tape, make sure the mounting locations are free from dust or dirt)
Protective Paper
Console Box etc.

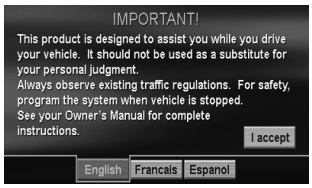
Operation

Turning the System On

(The display examples are shown when the SMART MAP PRO NVD-A801 is used.)

With this system, when the display monitor is set in the navigation display mode or external input display mode and the ignition key is turned to the ACC or ON positions, the opening screen will automatically appear.

1-1 When the system is used for the first time, both the language selection menu and IMPORTANT! are displayed on the same screen. Select (highlight) the desired language by tilting the joystick. Then press the ENTER button.

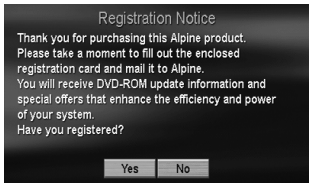

IMPORTANT!
This product is designed to assist you while you drive your vehicle. It should not be used as a substitute for your personal judgment.
Always observe existing traffic regulations. For safety, program the system when vehicle is stopped.
See your Owner's Manual for complete instructions.
I accept
English
Francais
Espanol

1-2 After the language is selected, important information is displayed with each language.

2 After you have read this important information, select "I accept" and press the ENTER button.

The map screen is displayed.

- If user registration is incomplete, the Registration Notice screen will appear.


Registration Notice
Thank you for purchasing this Alpine product.
Please take a moment to fill out the enclosed registration card and mail it to Alpine.
You will receive DVD-ROM update information and special offers that enhance the efficiency and power of your system.
Have you registered?
Yes
No

3 After completing the above steps, please refer to the SMART MAP PRO user's guide to learn more about your navigation system software.

Tips

- If there is no disc in the navigation system, "Please insert DVD-ROM" is displayed. For details on how to load the disc, see "Inserting the DVD-ROM" and "Removing the DVD-ROM" on page 11.
- If the disc cannot be read, the "Error reading DVD-ROM. Please check the disc." message is displayed. Try reloading the disk and if the problem is not resolved, return to an authorized Alpine dealer.
- If the monitor is kept on with the engine off for an extended period of time, the vehicle's battery may discharge.
- NVE-N872A power is turned on or off by the ignition key is ACC or ON/OFF position.
- Operation varies depending upon the disc version in use. For details, refer to the manual for the SMART MAP PRO.

Voice Recognition

About Speak button

The Speak button is used for voice navigation. Press the button to activate the voice operation mode. Press and hold the button to cancel the voice operation mode.

For voice recognition to operate correctly

Voice navigation may not operate correctly, depending on the situation in which it is used. For voice recognition to operate correctly, make sure that you read the following provisions.

- Mount the microphone in a suitable location.
  Mount the microphone where the driver's voice can be picked up clearly. Adjust the distance between microphone and the driver's position so that the driver has no difficulty speaking into the microphone. For installation details, refer to the supplied Installation Manual.
- Lower the volume of the car audio.
  To ensure your voice is recognized, reduce the car audio volume (radio, etc.) as necessary.
- Close the windows.
  Make sure all windows are closed during voice operation as ambient, engine or wind noise may interfere with recognition.
- Speak clearly.
  Speak directly into the microphone, at suitable pace, avoiding long pauses.
- Only use the specified voice commands.
  The system only recognizes these commands.
  Also, make sure you use the correct pronunciation for point of interest names.
- Do not converse when speaking a voice command. Your voice may not be recognized if you mix regular conversation with voice commands.
- Maintain a natural driving posture while speaking voice commands, so that you can hold the steering wheel in the usual way, without the need to lean in towards the microphone to speak.
- Any accent in your voice may not be recognized.
  Therefore, always speak the commands clearly.

- If the IN-INT cable (supplied with the Alpine head unit) is connected, volume is automatically lowered by the mute cable connection.
  For connection, refer to the extra Installation Manual.
- If your voice is not recognized, change the location of the microphone. Your voice recognition may be improved.
- Voice guidance is not carried out in the voice operation mode.

Reference

In case of difficulty

If you encounter a problem, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

Symptom	Cause	Solution
No operation	Blown fuse	Replace with a fuse of the prescribed rating.
	Ambient temperature over 122°F (50°C)	Lower the temperature in the vehicle below 122°F (50°C), for example by running for a while with the window open or by using the air conditioner.
	Moisture condensation	Allow enough time for the condensation to evaporate (about 1 hour, depending on ambient temperature and humidity).
The present vehicle position cannot be measured correctly.	The vehicle position changed after the ignition was switched off. • Movement on a ferry boat • Rotation of a parking lot turntable • Movement by tow truck	Drive the vehicle in an area of good GPS reception to allow the unit to recalibrate itself.
Vehicle position is displayed incorrectly on the screen	Poor satellite configuration	Move to a location where GPS satellite reception is easy. (See page 7.)
	Measurement is 2 dimensional.	
Cannot read disc is displayed for a certain operation.	The disc is dirty.	Clean the disc.
	The pickup lens is dirty.	Do not use a commercial available lens cleaner disc. Consult your nearest ALPINE dealer.
Unstable operation	The remote control batteries are wearing out.	Replace the remote control batteries. (See page 12.)

If this message appears

Various messages are displayed on the screen during operation. In addition to the messages telling you the current status or providing guidance for the next operation, there are also the following error messages. If one of these error messages is displayed, carefully follow the instructions in the solution column.

Message	Cause	Solution
Please insert DVD-ROM.	• The disc has been removed. • There was no disc in the system when the power was switched on.	Insert the disc (sold separately).
Error reading DVD-ROM. Please check the disc.	• A disc that this system cannot read has been loaded. • The disc is dirty or upside down. • The disc cannot be read because of condensation.	Insert the map disc (sold separately). Take out the disc, check if it was upside down, clean it if necessary, then re-insert it. Take out the disc, allow enough time for the condensation to evaporate (about 1 hour), then re-insert the disc.
If you are driving, please pull over before using this function.	• The MENU button was pressed while the vehicle was running. • A menu selection operation was carried out while the vehicle was running.	Move the vehicle to a safe location, stop, and engage the parking brake, then carry out this operation.
Temperature is too high. Please allow system to cool down.	• Ambient temperature over 122°F (50°C)	Lower the temperature in the vehicle below 122°F (50°C), for example by running for a while with the window open or by using the air conditioner.

Specifications

Power requirement	14.4 VDC (11 – 16 V allowable) negative ground	
Operating temperature (main unit)	+14°F to +122°F (–10°C to +50°C)	
GPS Antenna type	Micro-strip planar aerial	
GPS Reception frequency	1575.42±1 MHz	
GPS Reception sensitivity	–130 dB max.	
GPS Reception method	Parallel 12 channels	
Pickup	Wave length : 655 nm	
	Laser Power : CLASS II	
External dimensions	Navigation unit (W × H × D)	7–7/8" (200) × 2" (50) × 6–15/16" (175.5 mm)
	GPS Antenna (W × H × D)	1–3/16" (30.4) × 7/16" (11.7) × 1–3/8" (35.5 mm)
	Remote controller (W × H × D)	2" (51) × 1–7/16" (36) × 4–5/8" (118 mm)
Weight	Navigation unit	3.5 lbs. 56.4 oz (1.6 kg)
	GPS Antenna	3.5 oz (0.1 kg)
	Remote control	2.1 oz (0.06 kg)

Accessories

Product	Q'ty	Product	Q'ty
Installation parts	1 set	Power connector	1
GPS Antenna	1 set	13-P RGB extension cable	1
Remote control	1 set	Owner's manual, etc.	1 set
Batteries (AAA)	2		
Microphone	1		
Speak button	1		

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LIMITED WARRANTY

ALPINE ELECTRONICS OF AMERICA, INC. AND ALPINE OF CANADA INC. ("Alpine"), are dedicated to quality craftsmanship and are pleased to offer this Warranty. We suggest that you read it thoroughly. Should you have any questions, please contact your Dealer or contact Alpine at one of the telephone numbers listed below.

●PRODUCTS COVERED:

This Warranty covers Car Audio Products and Related Accessories ("the product"). Products purchased in the Canada are covered only in the Canada. Products purchased in the U.S.A. are covered only in the U.S.A.

●LENGTH OF WARRANTY:

This Warranty is in effect for one year from the date of the first consumer purchase.

●WHO IS COVERED:

This Warranty only covers the original purchaser of the product, who must reside in the United States, Puerto Rico or Canada.

●WHAT IS COVERED:

This Warranty covers defects in materials or workmanship (parts and labor) in the product.

●WHAT IS NOT COVERED:

This Warranty does not cover the following:

① Damage occurring during shipment of the product to Alpine for repair (claims must be presented to the carrier).
② Damage caused by accident or abuse, including burned voice coils caused by over-driving the speaker (amplifier level is turned up and driven into distortion or clipping). Speaker mechanical failure (e.g. punctures, tears or rips). Cracked or damaged LCD panels. Dropped or damaged hard drives.
③ Damage caused by negligence, misuse, improper operation or failure to follow instructions contained in the Owner's manual.
④ Damage caused by act of God, including without limitation, earthquake, fire, flood, storms or other acts of nature.
Any cost or expense related to the removal or reinstallation of the product.
⑤ Service performed by an unauthorized person, company or association.
⑥ Any product which has the serial number defaced, altered or removed.
⑦ Any product which has been adjusted, altered or modified without Alpine's consent.
⑧ Any product not distributed by Alpine within the United States, Puerto Rico or Canada.
⑨ Any product not purchased from an Authorized Alpine Dealer.

●HOW TO OBTAIN WARRANTY SERVICE:

① You are responsible for delivery of the product to an Authorized Alpine Service Center or Alpine for repair and for payment of any initial shipping charges. Alpine will, at its option, repair or replace the product with a new or reconditioned product without charge. If the repairs are covered by the warranty, and if the product was shipped to an Authorized Alpine Service Center or Alpine, Alpine will pay the return shipping charges.
② You should provide a detailed description of the problem(s) for which service is required.
③ You must supply proof of your purchase of the product.
④ You must package the product securely to avoid damage during shipment. To prevent lost packages it is recommended to use a carrier that provides a tracking service.

●HOW WE LIMIT IMPLIED WARRANTIES:

ANY IMPLIED WARRANTIES INCLUDING FITNESS FOR USE AND MERCHANTABILITY ARE LIMITED IN DURATION TO THE PERIOD OF THE EXPRESS WARRANTY SET FORTH ABOVE AND NO PERSON IS AUTHORIZED TO ASSUME FOR ALPINE ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT.

●HOW WE EXCLUDE CERTAIN DAMAGES:

ALPINE EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES CAUSED BY THE PRODUCT. THE TERM "INCIDENTAL DAMAGES" REFERS TO EXPENSES OF TRANSPORTING THE PRODUCT TO THE ALPINE SERVICE CENTER, LOSS OF THE ORIGINAL PURCHASER'S TIME, LOSS OF THE USE OF THE PRODUCT, BUS FARES, CAR RENTALS OR OTHERS COSTS RELATING TO THE CARE AND CUSTODY OF THE PRODUCT. THE TERM "CONSEQUENTIAL DAMAGES" REFERS TO THE COST OF REPAIRING OR REPLACING OTHER PROPERTY WHICH IS DAMAGED WHEN THIS PRODUCT DOES NOT WORK PROPERLY. THE REMEDIES PROVIDED UNDER THIS WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS.

●HOW STATE/PROVINCIAL LAW RELATES TO THE WARRANTY:

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state and province to province. In addition, some states/provinces do not allow limitations on how long an implied warranty lasts, and some do not allow the exclusion or limitation of incidental or consequential damages. Accordingly, limitations as to these matters contained herein may not apply to you.

●IN CANADA ONLY:

This Warranty is not valid unless your Alpine car audio product has been installed in your vehicle by an Authorized Installation Center, and this warranty stamped upon installation by the installation center.

●HOW TO CONTACT CUSTOMER SERVICE:

Should the product require service, please call the following number for your nearest Authorized Alpine Service Center.

CAR AUDIO 1-800-ALPINE-1 (1-800-257-4631)
NAVIGATION1-888-NAV-HELP (1-888-628-4357)

Or visit our website at; http://www.alpine-usa.com

ALPINE ELECTRONICS OF AMERICA, INC., 19145 Gramercy Place, Torrance, California 90501, U.S.A.
ALPINE ELECTRONICS OF CANADA, INC., 777 Supertest Road, Toronto, Ontario M3J 2M9, Canada
Do not send products to these addresses.
Call the toll free telephone number or visit the website to locate a service center.

SERIAL NUMBER: _____
INSTALLATION DATE: _____
INSTALLATION TECHNICIAN: _____
PLACE OF PURCHASE: _____

ALPINE ELECTRONICS MARKETING, INC.
1-1-8 Nishi Gotanda,
Shinagawa-ku, Tokyo 141-0031, Japan
Phone 03-5496-8231

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Nishi-ku, Yokohama,
Kanagawa, Japan

CORRECTION/CORRECTION/CORRECCIÓN

ALPINE

The Owner's Manual has errors as shown here./Le mode d'emploi contient les erreurs indiquées ici./El manual de operación contiene los errores mostrados aquí.

English

• Page 14, Voice Recognition, "About Speak button"

<Incorrect>
The Speak button is used for voice navigation. Press the button to activate the voice operation mode. Press and hold the button to cancel the voice operation mode.

<Correct>
The Speak button is used for voice navigation. Press the button to activate the voice operation mode. For operating details, refer to the Owner's Manual of the map disc (Sold separately).

Français

• Page 14, Reconnaissance vocale, « À propos de la touche Speak »

<Incorrect>
La touche Speak s'utilise pour la navigation en mode de reconnaissance vocale. Appuyez sur la touche pour activer le mode de fonctionnement vocal. Appuyez sur la touche et maintenez-la enfoncée pour désactiver le mode de fonctionnement vocal.

<Correct>
La touche Speak s'utilise pour la navigation en mode de reconnaissance vocale. Appuyez sur la touche pour activer le mode de fonctionnement vocal. Pour plus de détails concernant le fonctionnement, reportez-vous au Mode d'emploi du disque de carte (vendu séparément).

Español

• Página 14, Reconocimiento de voz, "Acerca del botón Speak"

<Incorrecto>
El botón Speak se utiliza para la navegación por voz. Pulse el botón para activar el modo de funcionamiento por voz. Pulse el botón y manténgalo presionado para cancelar el modo de funcionamiento por voz.

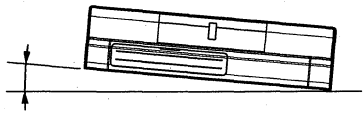
<Correcto>
El botón Speak se utiliza para la navegación por voz. Pulse el botón para activar el modo de funcionamiento por voz. Para obtener más información, consulte el Manual de operación del disco de mapa (vendido por separado).

To Customers/A l'attention des utilisateurs/A los clientes

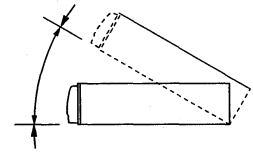
English

IMPORTANT NOTES

When you remove a DVD-ROM, do not incline the unit left/right more than 10 degrees, or up/down more than 30 degrees. If you do so, you may not be able to reinsert the disc.



Less than 10°

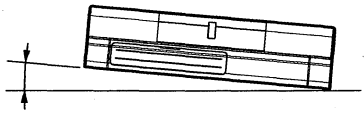


Less than 30°

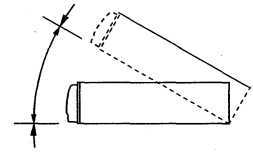
Français

REMARQUES IMPORTANTES

Lorsque vous retirez un DVD-ROM, n'inclinez pas l'unité de gauche à droite de plus de 10 degrés, ou de haut en bas de plus de 30 degrés, car vous risquez de ne pas pouvoir réinsérer le disque.



Moins de 10°

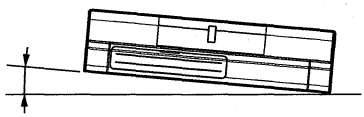


Moins de 30°

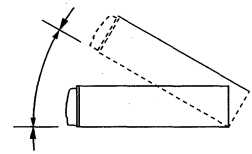
Español

NOTAS IMPORTANTES

Al extraer un DVD-ROM, no incline la unidad hacia la izquierda o derecha más de 10 grados, o hacia arriba o abajo más de 30 grados. Si fuera así, es posible que no pueda volver a introducir el disco.

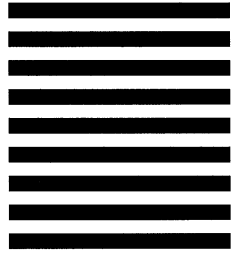


Menos de 10°



Menos de 30°

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



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PO BOX 2859
TORRANCE CA 90509-9939

ALPINE Customer Care Registration → For easy on-line registration, go to "www.alpine-usa.com/registration"

Thank you for choosing Alpine! Please register your product with us so we can serve you better.

SEAL HERE

First name: _____

Last name: _____

Home address: _____ (Street address)

_____

_____ (City) _____ (State/Prov.) _____ (Zip Code)

May we contact you at this address? 1. ☐ Yes 2. ☐ No

Phone number: ( ) _____

May we contact you at this number? 1. ☐ Yes 2. ☐ No

E-mail Address: _____

May we contact you by e-mail? 1. ☐ Yes 2. ☐ No

Gender 1. ☐ Male 2. ☐ Female

Date of Birth Month: _____ Year: _____

Marital Status 1. ☐ Single 2. ☐ Married

Which ethnicity best describes yourself:

1. ☐ Caucasian
2. ☐ Hispanic
3. ☐ African-American
4. ☐ Asian
5. ☐ Other _____

Your highest level of education completed:

1. ☐ High School Student
2. ☐ High School Graduate
3. ☐ 2 Yr. Degree/Some College
4. ☐ Completed 4 Yr. College
5. ☐ Completed Graduate School

Product purchased

1. ☐ Cassette Player
2. ☐ CD Player
3. ☐ MD Player
4. ☐ DVD Player
5. ☐ CD Changer
6. ☐ Amplifier
7. ☐ Speaker
8. ☐ Subwoofer
9. ☐ Monitor Controller
10. ☐ Video Monitor
11. ☐ Navigation
12. ☐ Mobile Mayday
13. ☐ Video Tape Player
14. ☐ Processor/Equalizer
15. ☐ Security
16. ☐ Other _____

Model Number: _____

Serial Number: _____

Date of Purchase:

Month: _____ Year: _____

If navigation system, which monitor?

1. ☐ Alpine → (Model No.) _____
2. ☐ Other → (Brand Name) _____

Purpose of buying this unit?

1. ☐ Addition
2. ☐ Replacement → ***Previous brand replaced?**
   1. ☐ Factory installed
   2. ☐ Alpine
   3. ☐ Other _____

Have you purchased Alpine products before?

1. ☐ First time 2. ☐ Two or more times

When you purchased this Alpine unit, did you compare it with other brands?

1. ☐ Yes → (Brand Name) _____ 2. ☐ No.

Which of the following statements best describes you?

1. ☐ I usually have more electronic equipment than my friends
2. ☐ I am usually one of the first of my friends to buy the newest electronic equipment
3. ☐ I usually wait until a product has been out for a while before I purchase it
4. ☐ I am usually on of the first of my friends to know about the newest car
5. ☐ I usually know more about cars than my friends

Occupation

1. ☐ Executive/Managerial
2. ☐ Secretarial/Clerical
3. ☐ Sales
4. ☐ General Labor
5. ☐ Professional
6. ☐ Engineering/Technical
7. ☐ Farming/Fishing
8. ☐ Retired
9. ☐ Student
10. ☐ Other _____

Household Income

1. ☐ Less than $30,000
2. ☐ $30,000 - $50,000
3. ☐ $50,000 - $70,000
4. ☐ $70,000 - $90,000
5. ☐ $90,000 - $110,000
6. ☐ Over $110,000

Type of vehicle in which this unit is installed.

Make: _____ Model: _____

Purchased Year: _____ Model Year: _____

How was this vehicle purchased?

1. ☐ Bought 2. ☐ Leased

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Thank you for your cooperation! We value your privacy. This information will remain confidential with Alpine and its affiliates.

Customer Care Registration is for Product registration.
Failure to complete and return this card does not diminish your warranty rights.

PART NO. 68P70033Y03-A

NVD-A801
DVD
ROM
DVD NAVIGATION MAP
Program Version 1.00
SMART MAP PRO
USA and Canada'05
North DISC
With Application
ALPINE

NVD-A801

DVD ROM

DVD NAVIGATION MAP
USA and Canada'05

Program Version 1.00

NOTICE

Opening this package means you agree to the terms shown on the box.
Please confirm all terms of the User Agreement.

WARNING

- Operation of the system while driving is dangerous. Users should stop the vehicle before operating the software.
- Road conditions and regulations take precedence over information contained on the map display :Observe actual traffic restrictions and circumstances while driving.
- This software is designed for use exclusively in the NVE-N872A. It cannot and may not be used in conjunction with other hardware.

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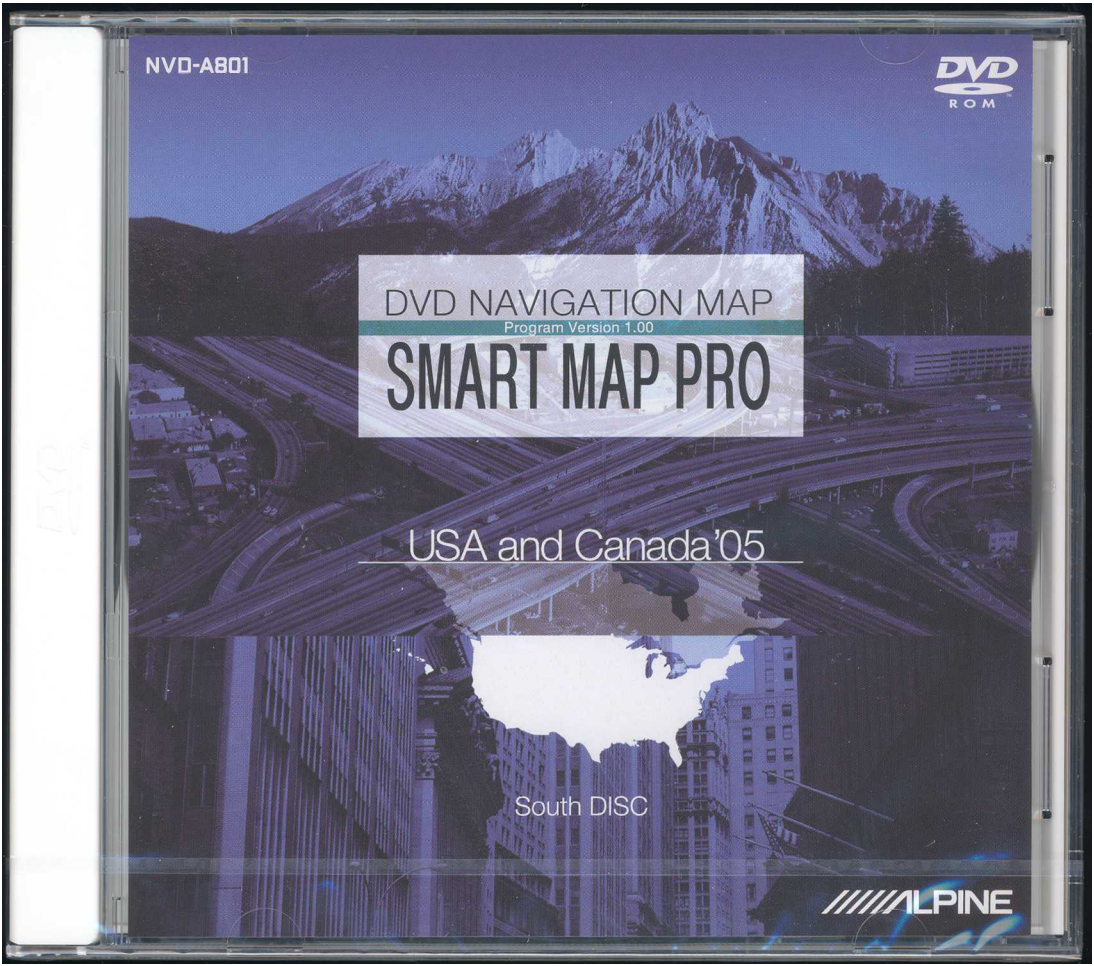
NVD-A801
DVD ROM
DVD NAVIGATION MAP
Program Version 1.00
SMART MAP PRO
USA and Canada'05
South DISC
ALPINE

NVD-A801

DVD ROM

DVD NAVIGATION MAP
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